

# Pigment/färger mindre lämpade för akvarellmålning

Sammanställd av Morticia Bakken

En del av de pigment som säljs i akvarellfärger är mindre bra (läs urkassa) till akvarellmålning men fungerar bra till sånt som ska kopieras.

En del av de som bleknar snabbt säljs fortfarande (och säljer mycket)

Dessa tre finns i large pan och stor tub 37 ml (W&N)

**004 Alizarin Crimson** (PR83 1-, 2-dihydroxyanthraquinone lake)

**448 Opera Rose** (Fluorescent dye/resin based pigment, PR122 Quinacridone)

**587 Rose Madder Genuine** (NR9 Lake of natural madder)

Tillverkare har olika system att visa hur hållbara färgerna är, vilket gör det svårt att jämföra de olika färgerna. Men om ett pigment i alla övriga fabrikat i tester får låga värde och sen tillverkaren markerar som bra, väldigt bra så tycker inte jag att det är trovärdigt.

Det kan vara till bra hjälp på de har flera steg. Men har de bara två steg så är det rätt svårt att avgöra. Sen kan vissa pigment vara bra. Men hos vissa fabrikat är de mindre ljusäkta.

Jag tog med de som ligger mellan 6 och 7 på skalan för att man ska kunna vara medveten att de går att använda, men kanske inte hänga i en solbelyst sal för all framtid. Det finns UV skyddsglas man kan använda när man glasar in.

En del har bytt nummer på sina färger sen 2004 när Bruce MacEvoy's test gjordes.

Så de värdena gäller i så fall de gamla färgerna.

Gått igenom varje pigment på <http://www.handprint.com/HP/WCL/waterfs.html>

Och de som har under Lf 6 där eller inte finns där kommer jag att lista.

De mellan 6 och 7 har jag markerat i *kursivt*, dessa klarar 50-100 år om de inte hängs i direkt ljus.

Lf = Lightfastness: 1 (very fugitive) to 8 (very lightfast) for paint in tint, full strength

## Suitable for artistic use:

**8 = very lightfast:** will remain unchanged for 200+ years

**7 = lightfast:** will remain unchanged for 100 to 200 years

**6 = marginally lightfast:** may alter in about 50 to 100 years

## Unsuitable for artistic use:

**4-5 = impermanent:** will alter in 15 to 50 years

**2-3 = fugitive:** will fade in 2 to 15 years

**1 = very fugitive:** will fade in less than 2 years

## Värde inom parentes:

**Daniel Smith Extra Fine Watercolors** Fugitive, Very Good, Extremely Permanent

**Holbein Artists' watercolor** \* till \*\*\*

**Sennelier Aquarelle Extra fine** - till \*\*\*

**Schmincke Horadam Aquarell** \* till \*\*\*\*\*

**St Petersburg White Nights** \* till \*\*\* men det stämmer dåligt när man kollar varje färg för sig.

Flera \*\*\* innehåller pigment som är mycket olämpliga för akvarellmålning+

**Talens Rembrandt Water Colours** + till +++

**Winsor & Newton Artist Watercolour** B till AA

## Sorterade efter pigment/färg

Pigment och namn

Färgnamn, nr, tillverkare och Ljusfasthet (tillverkarens värde)

### Gul - Yellow

#### **PY1 arylide yellow G (1909)**

Blockx yellow 212 [discontinued in 2008] Blockx 6,5

Hanza Yellow 215 St Petersburg White Nights n/a (\*\*/\*\*)

#### **PY3 arylide yellow 10G (1909)**

**andra fabrikat har samma pigment men med bättre ljusäkthet**

Lemon yellow 122 Utrecht Watercolor Paint 5,6

Lemon yellow W12 Art Spectrum Artists' Watercolour 6,5

Lemon yellow 651 Daler-Rowney Artist Watercolour 3,7

#### **PY34 lead chromate (1797)**

Chrome yellow deep [discontinued] Winsor & Newton Artist Watercolour 6,4

#### **PY34:1 lead chromate + lead sulfate**

Chrome lemon yellow [discontinued] Winsor & Newton 5,4

#### **PY40 potassium cobaltinitrite (1848; 1861)**

Aureolin 242 Talens Rembrandt Water Colours 5,7 (+/+++)

Aureolin 601 Daler-Rowney Artist Watercolour 4,7

Aureolin 559 Sennelier Aquarelle Extra fine 4,6

Aureolin W32 Art Spectrum Artists' Watercolour 4,6

Aureolin 063 Winsor & Newton Artist Watercolour 4,4

Aureolin [cobalt yellow] 063 Daniel Smith Extra Fine Watercolor 3,5 (Very Good)

#### **PY117 azomethine copper complex (1972)**

Greenish yellow 046 Holbein Artists' watercolor 3,6

#### **PY120 benzimidazolone yellow (1960)**

Scheveningen yellow medium 014 Old Holland Classic Water Colours 3,6

#### **PY184 bismuth vanadate (1924)**

**andra fabrikat har samma pigment men med bättre ljusäkthet**

Permanent lemon yellow 254 Talens Rembrandt Water Colours 6,4

#### **NY24 garcinia gum resin (1640)**

Gamboge genuine 069 [discontinued in 2005] Winsor & Newton Artist Watercolour 3,6

### Flera pigment

#### **PY83 diarylide yellow HR + PY95 arylide yellow FG**

Indian yellow [hue] 245 Holbein Artists' watercolor 3,6

#### **PY97 arylide yellow FGL + PY42 synthetic yellow iron oxide + PW4 zinc oxide**

Naples yellow light [hue] 105 Maimeri Blu: Superior Watercolours 2,4

#### **PY43 natural yellow iron oxide + PY1 arylide yellow G**

Yellow Ochre 218 St Petersburg White Nights n/a (\*\*/\*\*)

### Orange

#### **PO5 beta naphthol scarlet (1960)**

Permanent red light 1099 [discontinued in 2005] Lukas 1862 Finest Moist Artists' Water Colour 3,6

#### **PO34 dizazopyrazolone orange (1960)**

Cinnebar red [hue]1088 [discontinued in 2005] Lukas 1862 Finest Moist Artists' Water Colour 2,5

#### **PO67 pyrazoloquinazolone orange (1967)**

Coral orange 145 Old Holland Classic Water Colours 6,6

#### **PO69 isoindoline orange (1964)**

Scheveningen orange 018 [discontinued in 2003] Old Holland Classic Water Colours 3,7

**Flera pigment****PO73 diketo-pyrrolo pyrrole orange + PY154 benzimidazolone yellow**

Permanent orange 266 Talens Rembrandt Water Colours 5,6 (+/+++)

**PY3 arylide yellow 10 G + PO13 Benzidine Orange**

Golden 216 St Petersburg White Nights n/a (\*\*/\*\*\*)

**Röd - Red****PR3 beta naphthol red (1873)**

Blockx red 225 [discontinued in 2008] Blockx 3,6

**PR9 naphthol AS red (1920)**

Bermanent red deep 1097 [discontinued in 2005] Lukas 1862 Finest Moist Artists' Water Colour 1,4

**PR12 Monoazo, Naphthol AS-D**

Claret 325 St Petersburg White Nights n/a (\*/\*\*\*)

**PR23 naphthol AS carmine (1911)**

Crimson lake 210 Holbein Artists' watercolor 3,6

**PR48 beta oxynaphtholic acid scarlet (1902)**

Scarlet lake 225 Holbein Artists' watercolor 1,6

**PR81 Triarylcarbonium Rhodamine**

Rose 322 St Petersburg White Nights n/a (\*/\*\*\*)

**PR 81:2 Triarylcarbonium**

Brilliant purpur 930 Schimincke Horadam Aquarell n/a

**PR83 1-, 2-dihydroxyanthraquinone lake (1868)**

Alizarin crimson 326 Talens Rembrandt Water Colours 2,6

Alizarin crimson 010 M. Graham &amp; Co 1,6

Alizarin crimson 001 Daniel Smith Extra Fine Watercolor 1,6 (Fugitive)

Alizarin crimson 002 Winsor &amp; Newton Artist Watercolour 1,5

Alizarin crimson 147 Utrecht Watercolor Paint 1,5

Alizarin crimson 515 Daler-Rowney Artist Watercolour 1,4

Carmine [hue] 211 Holbein Artists' watercolor 1,4

Alizarin violet lake 940 Sennelier Aquarelle Extra fine 1,3 (\*/\*\*\*)

Alizarin crimson 689 Sennelier Aquarelle Extra fine n/a (\*/\*\*\*)

Rose madder lake 690 Sennelier Aquarelle Extra fine n/a (\*/\*\*\*)

Alizarin-crimson 357 Schimincke Horadam Aquarell n/a (\*/\*\*\*)

**PR149 perylene scarlet (1957)**

Perylene scarlet 044 Daniel Smith Extra Fine Watercolor 6,6

**PR170 naphthol AS carbamide F5RK (1963)**

Carmine [hue] 509 Daler-Rowney Artist Watercolour 5,7

Permanent red deep 093 Daniel Smith Extra Fine Watercolor 4,6

Dark red [crimson] 345 Schimincke Horadam Aquarell 3,5 (\*\*/\*\*\*)

Carmine (HUE) 319 St Petersburg White Nights n/a (\*\*/\*\*\*)

Ruby 323 St Petersburg White Nights n/a (\*\*/\*\*\*)

**PR177 anthraquinone red (1913)**

Burgundy wine red 166 Old Holland Classic Water Colours 3,6

**PR187 Monoazo, Light, Naphthol Red**

Madder Lake Red Light 313 St Petersburg White Nights n/a (\*\*/\*\*\*)

**PR216 pyranthrone red deep (1901)**

Brown madder [hue] 023 Holbein Artists' watercolor 2,5

**Flera pigment****PR4 monoazo + PY1 arylide yellow G**

Vermilion (HUE) 312 St Petersburg White Nights n/a (\*/\*\*\*)

**PR2 Monoazo, Naphthol + PR4 Monoazo, Beta naphthol**

Scarlet 318 St Petersburg White Nights n/a (\*/\*\*\*)

**PR48 Monoazo Lake + PR112 Disazo Pigment + PY81 Barium Sulfate, Monoazo Pigment**

Vermilion Hue 219 Holbein Artists' watercolor n/a (\*/\*\*\*)

**PR83 1-, 2-dihydroxyanthraquinone lake + PR48 beta oxynaphtholic acid scarlet**

Carmine 635 Sennelier Aquarelle Extra fine n/a (\*/\*\*\*)

**PR83 1-, 2-dihydroxyanthraquinone lake + PR48 beta oxynaphtholic acid scarlet**

Crimson Lake 688 Sennelier Aquarelle Extra fine n/a (\*/\*\*\*)

**PR83 1-, 2-dihydroxyanthraquinone lake + PY13 okänd**

Rose Doré Madder Lake 691 Sennelier Aquarelle Extra fine n/a (\*/\*\*\*)

**PR83:1 1-, 2-dihydroxyanthraquinone lake + PR177 1-, 2-dihydroxyanthraquinone lake, Anthraquinone**

Madder lake deep Krapplack 358 Schimincke Horadam Aquarell n/a (\*\*/\*\*\*\*\*)

**PR83:1 1-, 2-dihydroxyanthraquinone lake, Anthraquinone on Alumina Base + PR48:4 1-, 2-dihydroxyanthraquinone lake, Monoazo; Manganese Base**

Rose Madder Krapplack 356 Schimincke Horadam Aquarell n/a (\*\*/\*\*\*\*\*)

**PR254 diketo-pyrrolo-pyrrol red + PO73 diketo-pyrrolo pyrrole orange**

Permanent red 371 Daler-Rowney Artist Watercolour 4,6

## Magenta

**PR60 disazo lake (1923)**

Permanent rose 002 Holbein Artists' watercolor 3,6

**NR9 lake of natural madder, rubia tinctorium (antiquity)**

Rose maddergenuine 090 Winsor &amp; Newton Artist Watercolour 2,4 (B)

Rose madder genuine 080 Daniel Smith Extra Fine Watercolor 1,3 (Fugitive)

**NR4 cochineal (antiquity)**

Carmine genuine 637 Sennelier Aquarelle Extra fine 1,5

**PV19 gamma quinacridone**

andra fabrikat har samma pigment men med bättre ljusäkthet

Permanent rose 537 Daler-Rowney Artist Watercolour 6,6

**PR88 thioindigo violet**

Thioindigo violet [discontinued in 2005] 231 Winsor &amp; Newton Artist Watercolour 6,6

Garnet lake 181 [discontinued in 2005, ersatt sen 2005 med PV19 + PV23] Maimeri Blu: Superior Watercolours 6,6

**PR N/A quinacridone pyrrolidone + PR206 quinacridone maroon**

Permanent alizarin crimson 225 Winsor &amp; Newton Artist Watercolour 6,6

## Flera pigment

**PV19 gamma quinacridone + PY97 arylide yellow FGL**

Rose dore 089 Winsor &amp; Newton Artist Watercolour 5,5 (B)

**PR122 quinacridone magenta + BV10 rhodamine B violet**

Opera 213 Holbein Artists' watercolor 5,6

**PR122 Fluorescent dye/resin based pigment, Quinacridone**

Opera Rose 448 Winsor &amp; Newton Artist Watercolour n/a (B)

**PV11 methyl violet + PR83 1-,2-dihydroxy-anthraquinone lake**

Bright rose 370 Holbein Artists' watercolor 3,3 (\*/\*\*\*)

## Violet

**PV1 Triarylcarbonium Rhodamine Violet**

Brilliant red violet 940 Schimincke Horadam Aquarell n/a

Tyrian Rose 659 Sennelier Aquarelle Extra fine n/a (-/\*\*\*)

**PV2 Triarylcarbonium Purple**

Violet Rose 608 St Petersburg White Night n/a (\*/\*\*\*)

**PV3 Triarylcarbonium M Methyl Violet**

Violet 607 St Petersburg White Nights -- (\*/\*\*\*)

Brilliant violet 910 Schimincke Horadam Aquarell n/a

**PV23 dioxazine violet (1952)****andra fabrikat har samma pigment men med bättre ljusäktethet**

Dioxazine purple 008 Utrecht Watercolor Paint 6,6

Permanent violet bluish 463 Maimeri Blu: Superior Watercolours 5,6

Permanent mauve 413 Holbein Artists' watercolor 5,6 (\*/\*\*\*)

Mauve 476 Schmincke Horadam Aquarell 3,6 (\*\*/\*\*\*\*\*)

**PV39 triphenylmethane violet**

Blue violet 903 Sennelier Aquarelle Extra fine 5,5 (-/\*\*\*)

**Flera pigment****PV7 anthraquinone violet + PV15 ultramarine violet**

Bright violet 375 Holbein Artists' watercolor 2,3 (\*/\*\*\*)

**PV23 dioxazine violet + PR122 quinacridone magenta**

Permanent violet reddish 465 Maimeri Blu: Superior Watercolours 5,6

**PV1 rhodamine violet + PV39 triphenylmethane violet**

Red Violet 905 Sennelier Aquarelle Extra fine n/a (\*/\*\*\*)

**Blå - Blue****PB1 Triarylcyanium, Victoria Blue**

Blue Lake 510 St Petersburg White Nights n/a (\*/\*\*\*)

**PB27 hydrous ferric ferrocyanide; ferriammonium ferrocyanide (1704; c.1730)****andra fabrikat har samma pigment men med bättre ljusäktethet**

Antwerp blue 003 Art Spectrum Artists' Watercolour 4,7

Prussian blue 158 Utrecht Watercolor Paint 4,6

Antwerp blue 003 Winsor &amp; Newton Artist Watercolour 5,6

**Flera pigment****PB15 Copper Phthalocyanine + PW6 Titanium Dioxide**

Compose Blue 296 Holbein Artists' watercolor n/a (\*/\*\*\*)

**PB15:1 alpha copper phthalocyanine + PB66 Indigosynthetic**

Indigo 485 Schmincke Horadam Aquarell n/a (\*\*/\*\*\*\*\*)

**PB15 phthalocyanine blue + PBk7 carbon black mixed with lamp black + PV3 Triarylcyanium M Methyl Violet**

Indigo 516 St Petersburg White Nights n/a (\*\*/\*\*\*\*)

**Grön - Green****PG8 nitroso iron complex (1921)**

Hooker's green 163 Utrecht Watercolor Paint 5,7

Green 725 St Petersburg White Nights n/a (\*\*/\*\*\*\*)

**Flera pigment****PG36 chlorobrominated copper phthalocyanine + PY175 benzimidazolone**

Lemon permanent green light 339 Maimeri Blu: Superior Watercolours 5,6

**PG7 chlorinated copper phthalocyanine + PY3 arylide yellow 10G + PV19 quinacridone rose, beta quinacridone**

Hooker's green #2 [dark] 354– Daler-Rowney Artist Watercolour 5,6

**PG7 chlorinated copper phthalocyanine + PY153 nickel dioxineyellow**

Hooker's green #1 [light] 353 Daler-Rowney Artist Watercolour 4,4

**PG7 chlorinated copper phthalocyanine + PY153 nickel dioxine yellow + PR264 pyrrole carmine diketo-pyrrolo pyrrole rubine**

Olive green 363 Daler-Rowney Artist Watercolour 2,4

**PG7 chlorinated copper phthalocyanine + PY1 arylide yellow G + PY42 synthetic yellow iron oxide**

Permanent green #1 266 Holbein Artists' watercolor 5,6

**PG36 chlorobrominated copper phthalocyanine + PY17 diarylide yellow + PG8 nitroso iron complex**

Sap green 275 Holbein Artists' watercolor 4,6

**PY3 arylide yellow 10 G Monoazo Pigment + PW6 Titanium Dioxide + PG7 Polychloro Copper Phthalocyanine**

Compose Green #1 271 Holbein Artists' watercolor n/a (\*/\*\*\*)

**PY3 arylide yellow 10 G Monoazo Pigment + PW6 Titanium Dioxide + PG7 Polychloro Copper Phthalocyanine**

Compose Green #2 272 Holbein Artists' watercolor n/a (\*/\*\*\*)

**PB15 phthalocyanine blue + PG8 nitroso iron complex**

Olivegreen 515 Schmincke Horadam Aquarell n/a (\*\*/\*\*\*\*\*)

**PG17 anhydrous chromium sesquioxide + PY1 arylide yellow G + PBk7 carbon black mixed with lamp black**

Olive Green 727 St Petersburg White Night n/a (\*\*/\*\*\*\*)

## Jord – Earth

**Nbr8 coal residue (antiquity)**

Van dyke brown 139 Holbein Artists' watercolor 5,6

**Flera pigment**

**PY102 okänd + PR187 Monoazo + PBk7 carbon black mixed with lamp black**

Sepia 413 St Petersburg White Nights n/a (\*\*\*/\*\*\*\*)

**PR264 diketo-pyrrolo pyrrole rubine + PR101 synthetic red iron oxide**

Permanent madder brown 324 Talens Rembrandt Water Colours 6,6

## Grå – Gray

**Flera pigment**

**Pbk19 black chalk + PW4 zinc oxide + PBk6 carbon black**

Davy's gray [hue] 019 Winsor & Newton Artist Watercolour 5,5

**PR88 Thioindigo Pigment + PW6 Titanium Dioxide**

Violet Grey 354 Holbein Artists' watercolor n/a (\*/\*\*\*)

**PBk7 carbon black mixed with lamp black + PB15 phthalocyanine blue + PV3 Triarylcarbonium M Methyl Violet**

Payne's Gray 812 St Petersburg White Nights n/a (\*\*/\*\*\*\*)

## Sorterat efter de olika tillverkarna

### Blockx

<http://www.blockx.be/en/produits/aquarelles.asp> har inga av de pigment som är klassade som mindre lämpade för akvarellmålning. Gäller de som finns på deras senaste färgkarta

### Daler-Rowney Artist Watercolour

<http://www.daler-rowney.com> har inga av de pigment som är klassade som mindre lämpade för akvarellmålning. Gäller de som finns på deras senaste färgkarta

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

#### Lf – färgnr namn – pigment

- 4,4 – **353 hooker's green #1 [light]** – PG7 chlorinated copper phthalocyanine + PY153 nickel dioxineyellow
- 5,6 – **354 hooker's green #2 [dark]** – PG7 chlorinated copper phthalocyanine + PY3 arylide yellow 10G + PV19 quinacridone rose, beta quinacridone
- 2,4 – **363 olive green** – PG7 chlorinated copper phthalocyanine + PY153 nickel dioxine yellow + PR264 carmine diketo-pyrrolo pyrrole rubine
- 4,6 – **371 permanent red** – PR254 Diketo-Pyrrolo-Pyrrol red + PO73 diketo-pyrrolo pyrrole orange
- 5,6 – **413 permanent mauve** – PV23 dioxazine violet
- 5,7 – **509 carmine [hue]** – PR170 naphthol AS carbamide F5RK (1963)
- 1,4 – **515 alizarin crimson** – PR83 1-, 2-dihydroxyanthraquinone lake
- 6,6 – **537 permanent rose** – PV19 beta quinacridone
- 4,7 – **601 aureolin** – PY40 potassium cobaltinitrite
- 3,7 – **651 lemon yellow** – PY3 arylide yellow 10G

### Daniel Smith Extra Fine Watercolor

<http://www.danielsmith.com/Item--i-G-284-600>

Fugitive, Very Good, Extremely Permanent

- Fugitive – **004 Alizarin Crimson** – PR83 1-, 2-dihydroxyanthraquinone lake
- Fugitive – **100 Rose Madder Genuine** – NR9 lake of natural madder, rubia tinctorium (antiquity)
- Fugitive – **198 Opera-Pink** – PR122 quinacridone magenta
- Fugitive – **080 (100) Rose Madder Genuine** – NR9 lake of natural madder, rubia tinctorium (antiquity)
- Very Good – **006 Aureolin (Cobalt Yellow)** – PY40 potassium cobaltinitrite
- Very Good – **008 Bordeaux** – PV32 Benzimidazolone bordeaux
- Very Good – **020 Carmine** – PR176 benzimidazolone carmine HF3C
- Very Good – **076 Perylene Scarlet** – PR149 perylene scarlet
- Very Good – **064 Organic Vermilion** – PR188 organic vermilion
- Extremely Permanent – **073 Permanent violet** – PR88 thioindigo violet

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

#### Lf – färgnr (nytt färgnr) namn – pigment

- 1,6 – **001 (004) Alizarin Crimson** – PR83 1-, 2-dihydroxyanthraquinone lake
- 3,5 – **063 (006) Aureolin (Cobalt Yellow)** – PY40 potassium cobaltinitrite
- 1,3 – **080 (100) Rose Madder Genuine** – NR9 lake of natural madder, rubia tinctorium (antiquity)
- 6,7 – **008 Bordeaux** – PV32 Benzimidazolone bordeaux
- 6,7 – **094 (020) Carmine** – PR176 benzimidazolone carmine HF3C
- 6,7 – **042 (064) Organic Vermilion** – PR188 organic vermilion
- 6,7 – **074 (073) Permanent violet** – PR88 thioindigo violet
- 6,6 – **044 (076) Perylene Scarlet** – PR149 perylene scarlet

## Holbein Artists' watercolor

<http://www.holbeinhk.com/products.html>

- \*\*\* Absolutely permanent
- \*\* Permanent
- \* Moderately durable

- \* **213 Opera** – BV10 Fluorescent Pigment + PR122 Quinacridone Pigment
- \* **219 Vermilion Hue** – PR48 Monoazo Lake + PR112 Disazo Pigment + PY81 Barium Sulfate, Monoazo Pigment
- \* **271 Compose Green #1** – PY3 arylide yellow 10 G Monoazo Pigment + PW6 Titanium Dioxide + PG7 Polychloro Copper Phthalocyanine
- \* **272 Compose Green #2** – PY3 arylide yellow 10 G Monoazo Pigment + PW6 Titanium Dioxide + PG7 Polychloro Copper Phthalocyanine
- \* **296 Compose Blue** – PB15 Copper Phthalocyanine + PW6 Titanium Dioxide
- \* **370 Bright Rose (Luminous)** – BV11:1, AB83 Fluorescent Pigment
- \* **375 Bright Violet** – PV7 anthraquinone violet + BV15 Fluorescent Pigment
- \* **354 Violet Grey** – PR88 Thioindigo Pigment + PW6 Titanium Dioxide

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

### Lf – färgnr namn – pigment

- 3,6 – **002 permanent rose** – PR60 disazo lake (1923)
- 2,5 – **023 brown madder [hue]** – PR216 pyranthrone red deep (1901)
- 3,6 – **046 greenish yellow** – PY117 azomethine copper complex (1972)
- 3,6 – **210 crimson lake** – PR23 naphthol AS carmine (1911)
- 1,4 – **211 carmine [hue]** – PR83 1-, 2-dihydroxyanthraquinone lake
- 5,6 – **213 violet opera** – PR122 quinacridone magenta + BV10 rhodamine B
- 1,6 – **225 scarlet lake** – PR48 beta oxynaphtholic acid scarlet (1902)
- 3,6 – **245 indian yellow [hue]** – PY83 diarylide yellow HR + PY95 arylide yellow FG
- 5,6 – **266 permanent green #1** – PG7 chlorinated copper phthalocyanine + PY1 arylide yellow G + PY42 synthetic yellow iron oxide
- 4,6 – **275 sap green** – PG36 chlorobrominated copper phthalocyanine + PY17 diarylide yellow + PG8 nitroso iron complex
- 3,3 – **370 bright rose** – PV11 methyl violet + PR83 1-,2-dihydroxy-anthraquinone lake
- 2,3 – **375 bright violet** – PV7 anthraquinone violet + PV15 ultramarine violet

## Lukas 1862 Finest Moist Artists' Water Colour

[http://www.lukas.eu/WEB\\_GB/index.html](http://www.lukas.eu/WEB_GB/index.html) har inga av de pigment som är klassade som mindre lämpade för akvarellmålning. Gäller de som finns på deras senaste färgkarta:

[http://www.lukas.eu/WEB\\_GB/Broschueren/Leaflets/Aquarell1862\\_gross\\_GB\\_Internet.pdf](http://www.lukas.eu/WEB_GB/Broschueren/Leaflets/Aquarell1862_gross_GB_Internet.pdf)

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

### Lf – färgnr namn – pigment

- 6,6 – **1127 cobalt violet** – PV15 ultramarine violet



## Maimeri Blu: Superior Watercolours

<http://www.maimeri.it> har inga av de pigment som är klassade som mindre lämpade för akvarellmålning. Gäller de som finns på deras senaste färgkarta: <http://www.maimeri.it/FineArts/colorprod.asp?mnu=0301>

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

### Lf – färgnr namn – pigment

2,4 – **105 naples yellow light [hue]** – PY97 arylide yellow FGL + PY42 synthetic yellow iron oxide + PW4 zinc oxide

5,6 – **339 lemon permanent green light** – PG36 chlorobrominated copper phthalocyanine + PY175 benzimidazolone

5,6 – **463 permanent violet bluish** – PV23 dioxazine violet

5,6 – **465 permanent violet reddish** – PV23 dioxazine violet + PR122 quinacridone magenta

## Old Holland Classic Watercolours

[http://www.oldholland.com/pages/english/color\\_water.html](http://www.oldholland.com/pages/english/color_water.html)

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

### Lf – färgnr namn – pigment

3,6 – **014 scheveningen yellow medium** – PY120 benzimidazolone yellow (1960)

6,6 – **145 coral orange** – PO67 pyrazoloquinazolone orange (1967)

3,6 – **166 burgundy wine red** – PR177 Anthraquinone red

## Schmincke Horadam Aquarell

<http://www.schmincke.de/produkte/aquarellfarben.html>

Färgkarta: <http://www.sennelier.fr/pdf/nuanciers/us/aquarelle.pdf>

följande tre rekommenderas enbart till material som ska kopieras.

**930 Brilliant purpur** – PR 81:2 Triaylcaronium

**940 Brilliant red violet** – PV1 Triaylcaronium Rhodamine Violet

**910 Brilliant violet** – PV3 Triaylcaronium M Methyl Violet

antal stjärnor av max 5

\*\* **345 Dark red** – PR170 Naphtol AS, Organic; Monoazo; B.O.N. Arylomide;

\* **357 Alizarin-crimsom** – PR83 1-, 2-dihydroxyanthraquinone lake

\*\* **358 Madder lake deep Krapplack** – PR83:1 1-, 2-dihydroxyanthraquinone lake + PR177 1-, 2-dihydroxyanthraquinone lake, Anthradquinone

\*\* **356 Rose Madder Krapplack** – PR83:1 1-, 2-dihydroxyanthraquinone lake, Anthraquinone on Alumina Base + PR48:4 1-, 2-dihydroxyanthraquinone lake, Monoazo; Manganese Base

\*\* **476 Mauve** – PV23 Dioxazine violet

\*\* **485 Indigo** – PB15:1 alpha copper phthalocyanine + PB66 Indigosynthetic

\*\* **515 Olivegreen** – PB15 phthalocyanine blue + PG8 nitroso iron complex

## Sennelier Aquarelle Extra fine

<http://www.sennelier.fr/en/watercolour.php>

Färgkarta: [http://www.schmincke.de/fileadmin/downloads/pdf/horadam\\_aquarell\\_d\\_gb\\_01\\_08.pdf](http://www.schmincke.de/fileadmin/downloads/pdf/horadam_aquarell_d_gb_01_08.pdf)

- till \*\*\* vad gäller ljuddålighet

- \* **635 Carmine** – PR83 1-, 2-dihydroxyanthraquinone lake + PR48 beta oxynaphtholic acid scarlet
- \* **688 Crimson Lake** – PR83 1-, 2-dihydroxyanthraquinone lake + PR48 beta oxynaphtholic acid scarlet
- \* **689 Alizarin crimson** – PR83 1-, 2-dihydroxyanthraquinone lake
- \* **690 Rose madder lake** – PR83 1-, 2-dihydroxyanthraquinone lake
- \* **691 Rose Doré Madder Lake** – PR83 1-, 2-dihydroxyanthraquinone lake + PY13 Benzidine Yellow GR, Disazo; Diarylide m-xylidide
- **659 Tyrian Rose** – PV1 rhodamine violet
- \* **940 Alizarin Violet Lake** – PR83 1-, 2-dihydroxyanthraquinone lake
- \* **905 Red Violet** – PV1 rhodamine violet + PV39 triphenylmethane violet
- **903 Blue Violet** – PV39 triphenylmethane violet

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

### Lf – färgnr namn – pigment

- 4,6 – **559 aureolin** – PY40 potassium cobaltinitrite
- 1,5 – **637 carmine genuine** – NR4 cochineal (antiquity)
- 5,5 – **903 blue violet** – PV39 triphenylmethane violet
- 1,3 – **940 alizarin violet lake** – PR83 1-, 2-dihydroxyanthraquinone lake

## St Petersburg White Nights

Färgkarta: [http://eng.artpaints.ru/pics/2\\_2\\_94\\_big\\_4576.jpg](http://eng.artpaints.ru/pics/2_2_94_big_4576.jpg)

Deras märkning är \*\* och \*\*\* men det stämmer dåligt när man kollar varje färg för sig.

Flera \*\*\* innehåller pigment som är mycket olämpliga för akvarellmålning

- \* **215 Hanza Yellow** – PY1 arylide yellow G
- \*\* **216 Golden** – PY3 arylide yellow 10 G + PO13 Benzidine Orange
- \*\* **218 Yellow Ochre** – PY43 natural yellow iron oxide + PY1 arylide yellow G
- \* **312 Vermilion (HUE)** – PR4 monoazo + PY1 arylide yellow G
- \*\*\* **313 Madder Lake Red Light** – PR187 Monoazo, Light Naphthol Red
- \* **318 Scarlet** – PR2 Monoazo, Naphthol + PR4 Monoazo, Beta naphthol
- \*\*\* **319 Carmine (HUE)** – PR170.1 Naphthol AS carbamide F3RK
- \* **320 Orange Lake** – PO17 Beta Naphthol
- \* **322 Rose** – PR81 Triarylcarbonium Rhodamine
- \*\*\* **323 Ruby** – PR170 naphthol AS carbamide F3RK
- \* **325 Claret** – PR12 Monoazo, Naphthol AS-D
- \*\*\* **413 Sepia** – PY102 okänd + PR187 Monoazo + PBk7 carbon black mixed with lamp black
- \* **510 Blue Lake** – PB1 Triarylcarbonium Victoria Blue
- \*\* **516 Indigo** – PB15 phthalocyanine blue + PBk7 carbon black mixed with lamp black + PV3 Triarylcarbonium M Methyl Violet
- \* **607 Violet** – PV3 Triarylcarbonium M Methyl Violet
- \* **608 Violet Rose** – PV2 Triarylcarbonium Purple
- \*\* **725 Green** – PG8 nitroso iron complex
- \*\* **727 Olive Green** – PG17 anhydrous chromium sesquioxide + PY1 arylide yellow G + PBk7 carbon black mixed with lamp black
- \*\* **812 Payne's Gray** – PBk7 carbon black mixed with lamp black + PB15 phthalocyanine blue + PV3 Triarylcarbonium M Methyl Violet

## Talens Rembrandt Water Colours

<http://www.talens.com/english/brands/rembrandt>

Färgkarta: [http://www.talens.com/uploads/products/%7BAA9B8F0A-8BE1-456E-AC45-2CFADC1AEE9A%7D\\_C\\_GBR.pdf](http://www.talens.com/uploads/products/%7BAA9B8F0A-8BE1-456E-AC45-2CFADC1AEE9A%7D_C_GBR.pdf)

+++ = degree of lightfastness

+++ = 100 years completely lightfast under museum conditions (78 colours)

++ = 25 – 100 years lightfast under museum conditions

+ = 10 – 25 years lightfast under museum conditions (2 colours)

+ **326 Alizarin crimson** – PR83 1-, 2-dihydroxyanthraquinone lake

+ **331 Madder lake** – PR83 1-, 2-dihydroxyanthraquinone lake

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

**Lf – färgnr namn – pigment**

5,7 – **242 aureolin** – PY40 potassium cobaltinitrite (1848; 1861)

5,6 – **266 permanent orange** – PO73 diketo-pyrrolo pyrrole orange + PY154 benzimidazolone yellow

6,6 – **324 permanent madder brown** – PR264 diketo-pyrrolo pyrrole rubine + PR101 synthetic red iron oxide

## Winsor & Newton Artist Watercolour

<http://www.winsornewton.com>

Färgkarta: <http://www.winsornewton.com/assets/Leaflets/awcenglish.pdf>

AA Extremely Permanent

A Permanent

B Moderately Durable

(i) 'A' rated in full strength may fade in thin washes

(ii) Cannot be relied upon to withstand damp

(iii) Bleached by acids, acidic atmosphere

(iv) Fluctuating colour, fades in light, recovers in dark

B **004 Alizarin Crimson** – PR83 1-, 2-dihydroxyanthraquinone lake

B **448 Opera Rose** – PR122 Fluorescent dye/resin based pigment, Quinacridone

B (i) **587 Rose Madder Genuine** – NR9 Lake of natural madder

Information från Bruce MacEvoy 2004 - <http://www.handprint.com/HP/WCL/waterfs.html>

**Lf – färgnr namn – pigment**

1,5 – **002 alizarin crimson** – PR83 1-, 2-dihydroxyanthraquinone lake

5,6 – **003 antwerp blue** – PB27 hydrous ferric ferrocyanide; ferriammonium ferrocyanide

5,5 – **019 davy's gray [hue]** – PBk19 black chalk + PW4 zinc oxide + PBk6 carbon black

4,4 – **063 aureolin** – PY40 potassium cobaltinitrite

5,5 – **089 rose dore** – PV19 gamma quinacridone, beta quinacridone + PY97 arylide yellow FG

2,4 – **090 rose madder genuine** – NR9 lake of natural madder, rubia tinctorium (antiquity)

6,6 – **225 permanent alizarin crimson** – PR N/A quinacridone pyrrolidone + PR206 quinacridone maroon