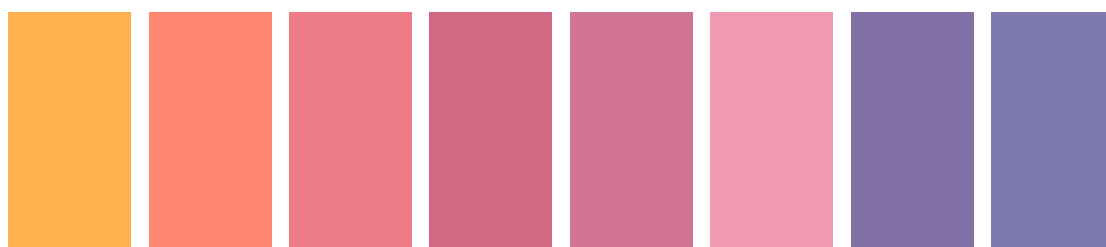


# Pergasol™ Direct Dyes (Liquid)

## Anionic (1% dye)



| Solenis Trade Name | PERGASOL YELLOW 14 L | PERGASOL YELLOW 6VHC-Z LIQ | PERGASOL YELLOW 3GN-Z LIQ | PERGASOL YELLOW G-Z LIQ | PERGASOL YELLOW RN-Z LIQ | PERGASOL YELLOW GA-Z LIQ | PERGASOL YELLOW HFA-Z LIQ | PERGASOL YELLOW S-Z LIQ |
|--------------------|----------------------|----------------------------|---------------------------|-------------------------|--------------------------|--------------------------|---------------------------|-------------------------|
| L*                 | 94.3                 | 91.8                       | 90.4                      | 88.3                    | 87.3                     | 87.8                     | 83.3                      | 81.3                    |
| a*                 | -15.5                | -10.6                      | -3.6                      | 0.6                     | 2.0                      | 6.0                      | 13.2                      | 15.0                    |
| b*                 | 67.4                 | 53.5                       | 60.6                      | 61.5                    | 56.6                     | 62.5                     | 63.2                      | 57.4                    |
| Lightfastness      | 1-2                  | 3                          | 4                         | 3                       | 3-4                      | 2-3                      | 1-2                       | 2                       |
| Backwater, unfixed | 3-4                  | 3-4                        | 3                         | 4-5                     | 4                        | 3-4                      | 4                         | 3                       |
| pH, undiluted      | 6.0-8.0              | 5.0-7.0                    | 6.5-8.5                   | 9.5-11.5                | 6.5-8.5                  | 6.5-8.5                  | 7.5-9.5                   | 6.5-8.5                 |



| Solenis Trade Name | PERGASOL YELLOW SHD-Z LIQ | PERGASOL ORANGE 6R-Z LIQ | PERGASOL RED 2G-Z LIQ | PERGASOL RED 3B-Z LIQ NEW | PERGASOL RED 2B-Z LIQ | PERGASOL RED 53 L | PERGASOL VIOLET BN-TKZ LIQ NEW | PERGASOL VIOLET 5B LIQ NEW |
|--------------------|---------------------------|--------------------------|-----------------------|---------------------------|-----------------------|-------------------|--------------------------------|----------------------------|
| L*                 | 78.1                      | 69.5                     | 65.2                  | 57.3                      | 60.2                  | 72.7              | 51.0                           | 53.2                       |
| a*                 | 20.2                      | 44.3                     | 44.7                  | 44.2                      | 39.6                  | 34.4              | 17.8                           | 14.0                       |
| b*                 | 59.8                      | 32.5                     | 14.0                  | 5.8                       | -0.4                  | 2.1               | -27.0                          | -28.0                      |
| Lightfastness      | 2                         | 1-2                      | 2                     | 3                         | 2                     | 2                 | 1                              | 1                          |
| Backwater, unfixed | 2-3                       | 4                        | 4-5                   | 3                         | 1-2                   | 2                 | 4                              | 4-5                        |
| pH, undiluted      | 7.5-9.5                   | 6.5-8.5                  | 6.5-8.5               | 7.0-9.5                   | 6.5-8.5               | 6.0-8.0           | 5.5-7.5                        | 6.5-8.5                    |

## Anionic

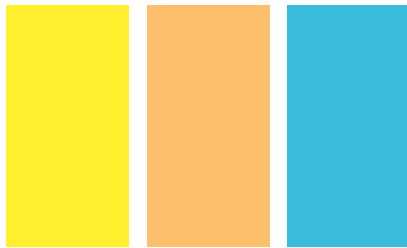
(1% dye)



| Solenis Trade Name | PERGASOL BLUE 31 L NA | PERGASOL BLUE 2R-Z LIQ | PERGASOL BLUE R LIQ | PERGASOL BLUE 47 L | PERGASOL TURQUOISE R LIQ | PERGASOL GREEN G LIQ | PERGASOL BLACK 18 L NA | PERGASOL BLACK GN-Z LIQ |
|--------------------|-----------------------|------------------------|---------------------|--------------------|--------------------------|----------------------|------------------------|-------------------------|
| L*                 | 55.0                  | 56.2                   | 57.0                | 62.2               | 72.9                     | 77.5                 | 53.6                   | 60.5                    |
| a*                 | -1.3                  | -2.9                   | -7.3                | -9.1               | -25.1                    | -32.0                | -1.4                   | -3.9                    |
| b*                 | -23.8                 | -22.8                  | -17.2               | -19.7              | -24.6                    | 14.1                 | -1.4                   | -2.8                    |
| Lightfastness      | 1                     | 3-4                    | 1                   | 2                  | 5                        | 3                    | 2                      | 1-2                     |
| Backwater, unfixed | 1                     | 4                      | 4-5                 | 4                  | 1-2                      | 1-2                  | 3                      | 4-5                     |
| pH, undiluted      | 6.5-8.5               | 7.0-9.0                | 7.0-9.0             | 8.0-10.0           | 6.5-8.5                  | 6.5-8.5              | 6.0-8.0                | 8.0-10.0                |

## Cationic

(1% dye)



| Solenis Trade Name | PERGASOL YELLOW F-6GZ LIQ NEW | PERGASOL C YELLOW 97 L | PERGASOL C BLUE 67 L |
|--------------------|-------------------------------|------------------------|----------------------|
| L*                 | 94.5                          | 81.6                   | 71.1                 |
| a*                 | -7.1                          | 12.4                   | -24.7                |
| b*                 | 87.3                          | 50.3                   | -25.8                |
| Lightfastness      | 3                             | 2                      | 4                    |
| Backwater, unfixed | 5                             | 4-5                    | 5                    |
| pH, undiluted      | 1.0-3.0                       | 1.0-3.0                | 2.0-4.0              |

## Application Conditions:

70% bleached Pine / 30% bleached Beech  
30°SR

0,15% Pergafix™ AP9397 fixative

## Furnish

L\* 95,1

a\* -0,1

b\* 3,8