

# Converting Colors

Yxy(80.4196, 0.2879, 0.3152)

Have a look what the booklet for  
Yxy(80.4196, 0.2879, 0.3152)  
contains.

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# Color

**Yxy(80.3858, 0.2877, 0.3152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1ECF9
RGB	209, 236, 249
RGB Percent	82%, 93%, 98%
CMY	0.1807, 0.0744, 0.0235
CMYK	0.16, 0.05, 0.00, 0.02
HSL	199°, 77%, 90%
HSV	199°, 16%, 98%
XYZ	73.3724, 80.3858, 101.2728
YIQ	229.4090, -20.2650, -1.6810

# Conversions

## Conversions Part 2

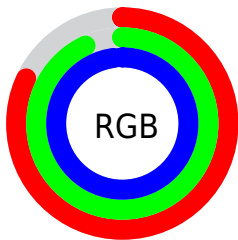
Format	Color
R <sub>Y</sub> B	209, 225, 249
Decimal	13757689
CIE Lab	91.86, -6.23, -9.27
CIE LCh	92, 11.167, 236.074
Yxy	80.3858, 0.2877, 0.3152
Android (android.graphics.Color)	4291947769 (0xFFD1ECF9)
YUV	229.4090, 9.6584, -17.8987
Hunter-Lab	89.6581, -10.8248, -4.2100

# Details

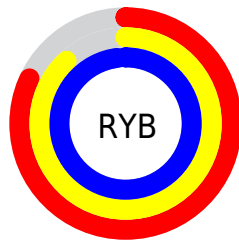
The Yxy color **80.3858, 0.2877, 0.3152** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.9304, 0.3412, 0.3424**, and the grayscale version is **78.6032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3628, 0.2818, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **72.4988, 0.2722, 0.3055**, and if you desaturate by 10%, it is **89.0566, 0.3033, 0.3240**.

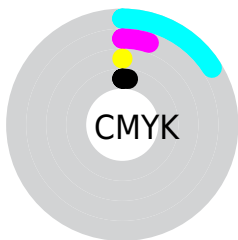
# Distribution



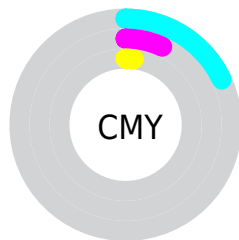
- Red (82%)
- Green (93%)
- Blue (98%)



- Red (82%)
- Yellow (88%)
- Blue (98%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (7%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3858, 0.2877, 0.3152 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 80.3858, 0.2877, 0.3152 by changing the saturation by 10% instead.



80.3858, 0.2877,  
0.3152

80.3858, 0.2877,  
0.3152

496.2321, 0.2990,  
0.3216

60.0359, 0.2852,  
0.3138

133.9080, 0.2916,  
0.3174

43.4476, 0.2821,  
0.3120

167.8491, 0.2931,  
0.3183

30.2364, 0.2783,  
0.3097

207.0893, 0.2944,  
0.3190

20.0181, 0.2733,  
0.3068

252.0132, 0.2955,  
0.3196

12.4082, 0.2668,  
0.3028

303.0050, 0.2966,  
0.3202

7.0223, 0.2576,  
0.2972

360.4491, 0.2975,

3.4761, 0.2439,

0.3207

0.2884

424.7300, 0.2983,  
0.3212

1.3850, 0.2214,  
0.2733

0.2057, 0.0387,  
0.1835

80.3858, 0.2877,  
0.3152

80.3858, 0.2877,  
0.3152

72.4988, 0.2722,  
0.3055

89.0566, 0.3033,  
0.3240

65.3565, 0.2572,  
0.2950

97.8154, 0.3163,  
0.3320

58.9313, 0.2429,  
0.2837

99.6198, 0.3162,  
0.3347

53.1892, 0.2299,  
0.2718

■ 48.0931, 0.2183,  
0.2595

■ 43.6012, 0.2087,  
0.2470

■ 39.6651, 0.2011,  
0.2345

■ 36.2253, 0.1955,  
0.2222

■ 34.9829, 0.1937,  
0.2174

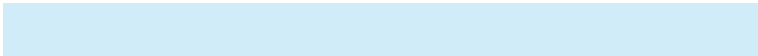
# Harmonies

## Analogous

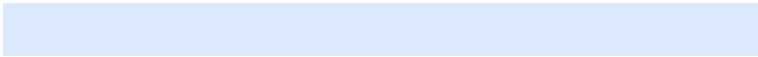
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3858, 0.2902, 0.3260



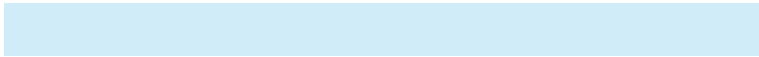
80.3858, 0.2877, 0.3152



80.3858, 0.2917, 0.3084

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3858, 0.2877, 0.3152



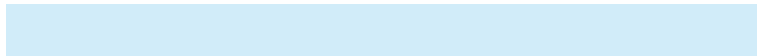
80.3858, 0.3268, 0.3202



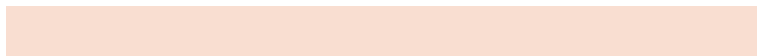
80.3858, 0.3239, 0.3518

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



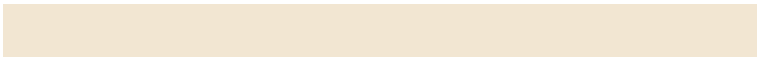
80.3858, 0.2877, 0.3152



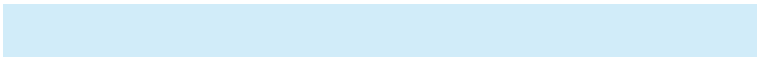
76.9304, 0.3412, 0.3424

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3858, 0.3340, 0.3497



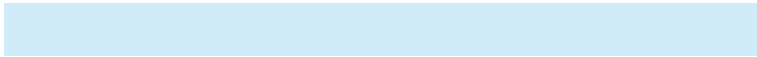
80.3858, 0.2877, 0.3152



80.3858, 0.3357, 0.3313

# Square

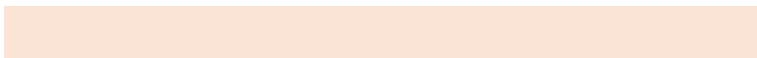
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3858, 0.2877, 0.3152



80.3858, 0.3141, 0.3115



80.3858, 0.3384, 0.3421



80.3858, 0.3109, 0.3475



# Rectangle

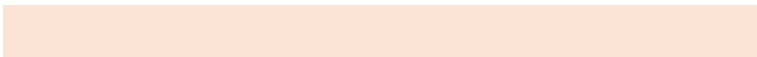
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3858, 0.2877, 0.3152



80.3858, 0.2976, 0.3069



80.3858, 0.3384, 0.3421



80.3858, 0.3277, 0.3518

# Sweetspot

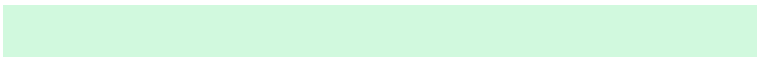
The Sweet Spot groups the original color and five complimentary colors.



80.3891, 0.2877, 0.3152



95.0555, 0.3050, 0.3250



86.5509, 0.3034, 0.3584



20.2007, 0.3039, 0.3244



0.0000, 0.0000, 0.0000

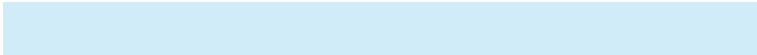


21.4041, 0.3127, 0.3290

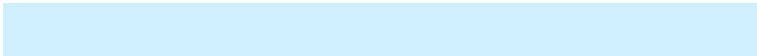


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3891, 0.2877, 0.3152



82.3361, 0.2831, 0.3124



69.6347, 0.2868, 0.2937



18.6055, 0.2980, 0.3211



18.9944, 0.1943, 0.2194



1.9516, 0.1984, 0.2341



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.7612, 0.3236, 0.3016



71.9183, 0.3259, 0.2964



88.0393, 0.3381, 0.3620



17.4233, 0.3188, 0.3131



12.3284, 0.4239, 0.2109

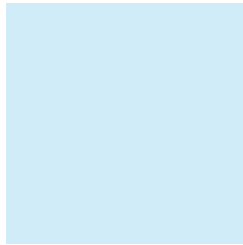


1.1612, 0.4084, 0.2024



# Previews

## White Background



This preview shows how the Yxy color 80.3858, 0.2877, 0.3152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

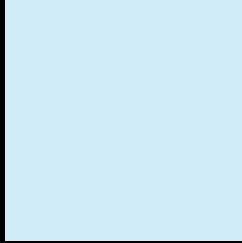
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.3858, 0.2877, 0.3152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

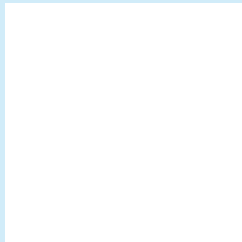
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.3858, 0.2877, 0.3152**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.3858, 0.2877, 0.3152.

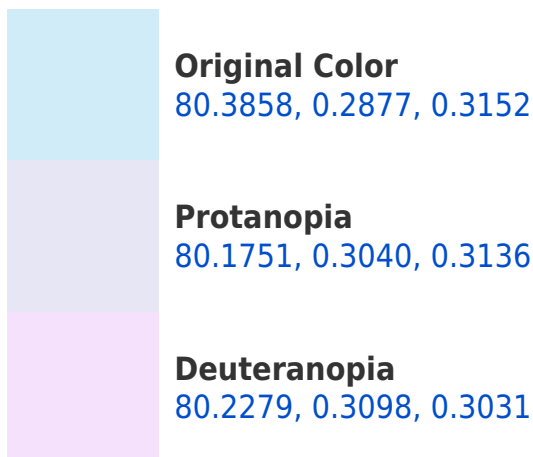


This preview shows how white text looks on a background with the Yxy color 80.3858, 0.2877, 0.3152.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

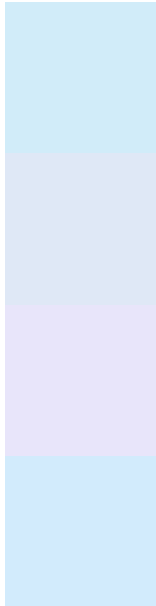




## Tritanopia

80.2741, 0.2855, 0.3090

# Trichromacy



## Original Color

80.3858, 0.2877, 0.3152

## Protanomaly

80.0550, 0.2982, 0.3144

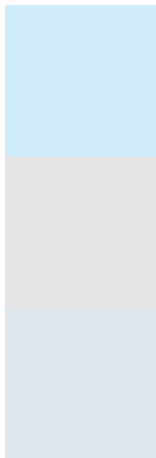
## Deuteranomaly

80.0966, 0.3016, 0.3076

## Tritanomaly

80.1466, 0.2866, 0.3110

# Monochromacy



## Original Color

80.3858, 0.2877, 0.3152

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

79.2989, 0.3036, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.3858, 0.2877, 0.3152 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(209, 236, 249)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(209, 236, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 80.3858, 0.2877, 0.3152 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 236, 249) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(209, 236, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(209, 236, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 249);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.3858, 0.2877, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(209,  
236, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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