

Converting Colors

$Yxy(80.2763, 0.2855, 0.3110)$

Have a look what the booklet for
Yxy(80.2763, 0.2855, 0.3110)
contains.

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Color

Yxy(80.6381, 0.2855, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	D1ECFD
RGB	209, 236, 253
RGB Percent	82%, 93%, 99%
CMY	0.1803, 0.0745, 0.0077
CMYK	0.17, 0.07, 0.00, 0.01
HSL	203°, 92%, 91%
HSV	203°, 17%, 99%
XYZ	74.0263, 80.6381, 104.6221
YIQ	229.8650, -21.5490, -0.4370

Conversions

Conversions Part 2

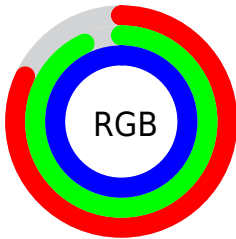
Format	Color
R _Y B	209, 226, 253
Decimal	13757693
CIE Lab	91.97, -5.36, -11.20
CIE LCh	92, 12.417, 244.426
Yxy	80.6381, 0.2855, 0.3110
Android (android.graphics.Color)	4291947773 (0xFFD1ECFD)
YUV	229.8650, 11.4056, -18.2986
Hunter-Lab	89.7987, -9.9999, -6.2181

Details

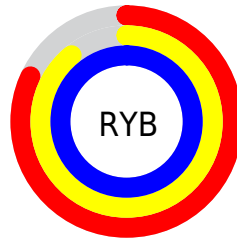
The Yxy color **80.6381, 0.2855, 0.3110** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.9148, 0.3434, 0.3463**, and the grayscale version is **78.9564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4981, 0.2797, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **71.7529, 0.2697, 0.2992**, and if you desaturate by 10%, it is **90.4253, 0.3013, 0.3218**.

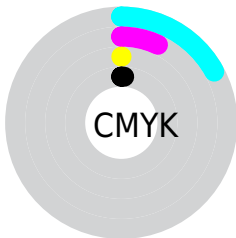
Distribution



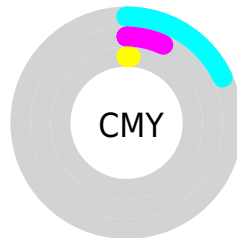
- Red (82%)
- Green (93%)
- Blue (99%)



- Red (82%)
- Yellow (89%)
- Blue (99%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (18%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6381, 0.2855, 0.3110 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 80.6381, 0.2855, 0.3110 by changing the saturation by 10% instead.

80.6381, 0.2855,
0.3110

80.6381, 0.2855,
0.3110

497.0807, 0.2978,
0.3193

60.2436, 0.2828,
0.3091

134.2625, 0.2897,
0.3138

43.6150, 0.2794,
0.3068

168.2612, 0.2913,
0.3150

30.3680, 0.2753,
0.3040

207.5633, 0.2928,
0.3159

20.1180, 0.2700,
0.3002

252.5534, 0.2940,
0.3168

12.4809, 0.2629,
0.2952

303.6158, 0.2951,
0.3175

7.0721, 0.2530,
0.2880

361.1349, 0.2961,

3.5072, 0.2383,

0.3182

0.2771

425.4950, 0.2970,
0.3187

■ 1.4019, 0.2145,
0.2586

■ 0.2181, 0.0581,
0.1657

■ 80.6381, 0.2855,
0.3110

■ 80.6381, 0.2855,
0.3110

■ 71.7529, 0.2697,
0.2992

■ 90.4253, 0.3013,
0.3218

■ 63.7273, 0.2542,
0.2863

99.8743, 0.3138,
0.3309

■ 56.5298, 0.2393,
0.2725

■ 50.1226, 0.2256,
0.2580

■ 44.4641, 0.2133,
0.2430

■ 39.5079, 0.2030,
0.2278

■ 35.1999, 0.1948,
0.2127

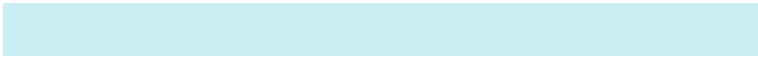
■ 31.4714, 0.1887,
0.1980

■ 30.5713, 0.1873,
0.1943

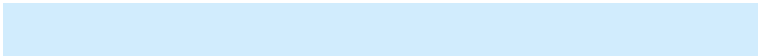
Harmonies

Analogous

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



80.6381, 0.2863, 0.3220



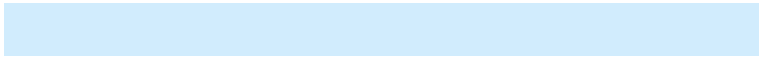
80.6381, 0.2855, 0.3110



80.6381, 0.2918, 0.3051

Triad

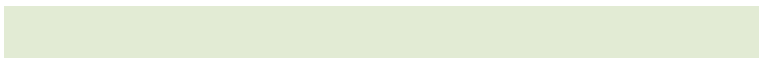
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6381, 0.2855, 0.3110



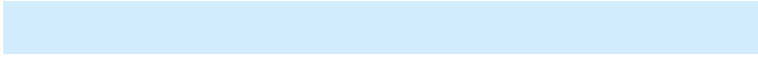
80.6381, 0.3317, 0.3225



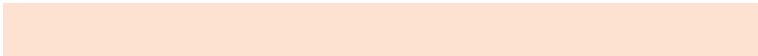
80.6381, 0.3212, 0.3537

Complementary

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



80.6381, 0.2855, 0.3110



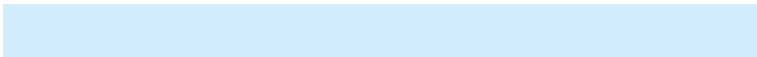
79.9148, 0.3434, 0.3463

Split Complementary

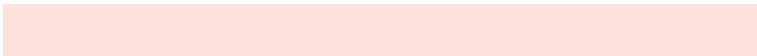
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6381, 0.3337, 0.3533



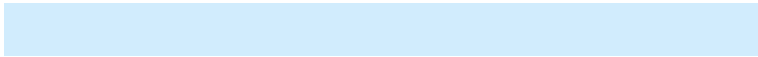
80.6381, 0.2855, 0.3110



80.6381, 0.3399, 0.3350

Square

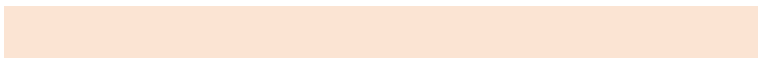
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6381, 0.2855, 0.3110



80.6381, 0.3184, 0.3119



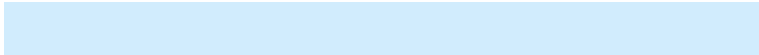
80.6381, 0.3407, 0.3463



80.6381, 0.3067, 0.3471

Rectangle

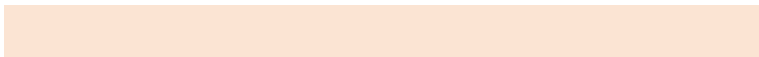
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



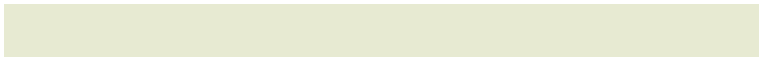
80.6381, 0.2855, 0.3110



80.6381, 0.2993, 0.3047



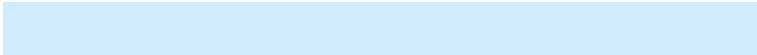
80.6381, 0.3407, 0.3463



80.6381, 0.3258, 0.3544

Sweetspot

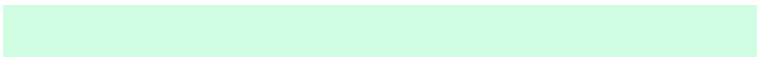
The Sweet Spot groups the original color and five complimentary colors.



80.6414, 0.2855, 0.3110



94.5533, 0.3050, 0.3242



89.3166, 0.3011, 0.3578



20.0785, 0.3039, 0.3235



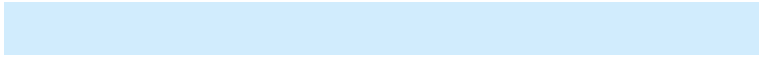
0.0000, 0.0000, 0.0000



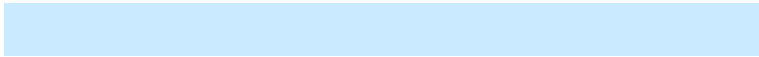
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6414, 0.2855, 0.3110



78.7019, 0.2798, 0.3069



68.8198, 0.2843, 0.2872



19.2316, 0.2979, 0.3196



16.5487, 0.1880, 0.1966



1.8234, 0.1926, 0.2133

Inverse Universe

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



72.5528, 0.3266, 0.3020



69.1997, 0.3301, 0.2962



92.5682, 0.3398, 0.3676



18.1742, 0.3198, 0.3145



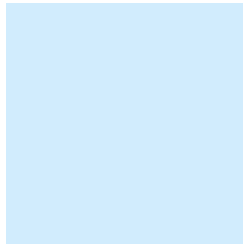
12.3986, 0.4491, 0.2248



1.2286, 0.4305, 0.2145

Previews

White Background



This preview shows how the Yxy color 80.6381, 0.2855, 0.3110 looks on a white background.

Color Contrast Check

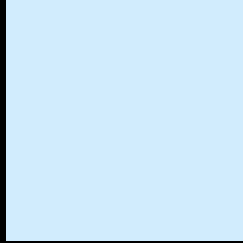
Large Text (above 18pt) WCAG AA × Fail

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 80.6381, 0.2855, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

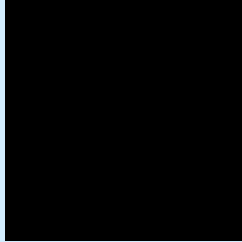
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

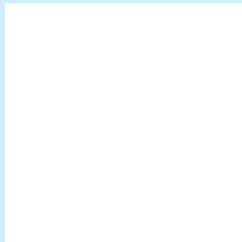
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6381, 0.2855, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 80.6381, 0.2855, 0.3110.



This preview shows how white text looks on a background with the Yxy color 80.6381, 0.2855, 0.3110.

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



Original Color

80.6381, 0.2855, 0.3110

Protanopia

80.4221, 0.3016, 0.3096

Deuteranopia

80.1251, 0.3059, 0.2992



Tritanopia

80.7662, 0.2844, 0.3090

Trichromacy



Original Color

80.6381, 0.2855, 0.3110

Protanomaly

80.3033, 0.2958, 0.3103

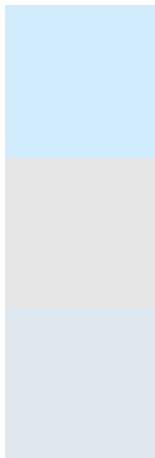
Deuteranomaly

80.1833, 0.2986, 0.3036

Tritanomaly

80.7020, 0.2850, 0.3100

Monochromacy



Original Color

80.6381, 0.2855, 0.3110

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.4159, 0.3023, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6381, 0.2855, 0.3110 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 253) }
```

Border

The CSS property to change the border of an element to Yxy 80.6381, 0.2855, 0.3110 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, 253) }
```

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

```
.border{ border-color:rgb(209, 236, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 253);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6381, 0.2855, 0.3110 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, 253) }
```

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

```
.background{ background-color: rgb(209,  
236, 253) }
```

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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