

# Converting Colors

$Yxy(80.7044, 0.2821, 0.3288)$

Have a look what the booklet for  
Yxy(80.7044, 0.2821, 0.3288)  
contains.

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# Color

**Yxy(80.4679, 0.2823, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0F1F1
RGB	192, 241, 241
RGB Percent	75%, 95%, 95%
CMY	0.2472, 0.0549, 0.0548
CMYK	0.20, 0.00, 0.00, 0.05
HSL	180°, 64%, 85%
HSV	180°, 20%, 95%
XYZ	69.0669, 80.4679, 95.1229
YIQ	226.3490, -29.2040, -10.3880

# Conversions

## Conversions Part 2

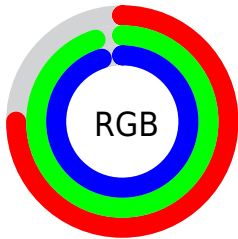
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 217, 241
Decimal	12644849
CIE <sub>Lab</sub>	91.89, -15.54, -5.17
CIE <sub>LCh</sub>	92, 16.381, 198.391
Yxy	80.4679, 0.2823, 0.3289
Android (android.graphics.Color)	4290834929 (0xFFC0F1F1)
YUV	226.3490, 7.2229, -30.1241
Hunter-Lab	89.7039, -19.5471, -0.0790

# Details

The Yxy color **80.4679, 0.2823, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.1987, 0.3534, 0.3291**, and the grayscale version is **76.2803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **43.5191, 0.2753, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **77.5768, 0.2690, 0.3289**, and if you desaturate by 10%, it is **83.8807, 0.2968, 0.3290**.

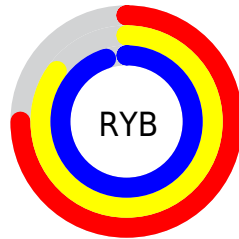
# Distribution



Red (75%)

Green (95%)

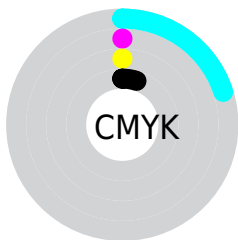
Blue (95%)



Red (75%)

Yellow (85%)

Blue (95%)

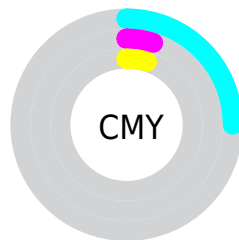


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (25%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4679, 0.2823, 0.3289 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 80.4679, 0.2823, 0.3289 by changing the saturation by 10% instead.



80.4679, 0.2823,  
0.3289

80.4679, 0.2823,  
0.3289

496.5083, 0.2960,  
0.3291

60.1035, 0.2792,  
0.3288

134.0234, 0.2870,  
0.3290

43.5020, 0.2755,  
0.3287

167.9832, 0.2888,  
0.3290

30.2792, 0.2709,  
0.3285

207.2436, 0.2904,  
0.3291

20.0506, 0.2649,  
0.3283

252.1890, 0.2918,  
0.3291

12.4318, 0.2569,  
0.3278

303.2038, 0.2931,  
0.3291

7.0385, 0.2458,  
0.3270

360.6723, 0.2942,

3.4862, 0.2292,

0.3291

424.9790, 0.2951,  
0.3291

0.3255

1.3905, 0.2020,  
0.3219

0.2097, 0.0000,  
0.2624

80.4679, 0.2823,  
0.3289

80.4679, 0.2823,  
0.3289

77.5768, 0.2690,  
0.3289

83.8807, 0.2968,  
0.3290

75.1726, 0.2572,  
0.3288


87.8286, 0.3122,  
0.3290


73.2313, 0.2471,  
0.3288


90.5347, 0.3219,  
0.3290


71.7231, 0.2389,  
0.3288


90.5369, 0.3219,  
0.3290

 70.6149, 0.2326,  
0.3287


 90.5390, 0.3219,  
0.3290

 69.8685, 0.2283,  
0.3287


 90.5411, 0.3219,  
0.3290

 69.4387, 0.2258,  
0.3287

 90.5432, 0.3219,  
0.3290

 69.2514, 0.2246,  
0.3287

 90.5454, 0.3219,  
0.3290

 90.5475, 0.3219,  
0.3291

# Harmonies

## Analogous

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



80.4679, 0.2963, 0.3463



80.4679, 0.2823, 0.3289



80.4679, 0.2763, 0.3121

# Triad

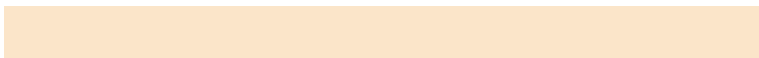
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4679, 0.2823, 0.3289



80.4679, 0.3096, 0.3013



80.4679, 0.3465, 0.3570

# Complementary

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



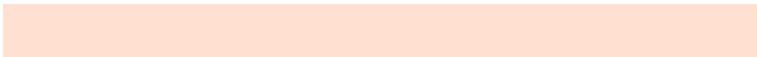
80.4679, 0.2823, 0.3289



60.1987, 0.3534, 0.3291

# 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.



80.4679, 0.3505, 0.3441



80.4679, 0.2823, 0.3289



80.4679, 0.3288, 0.3125

# Square

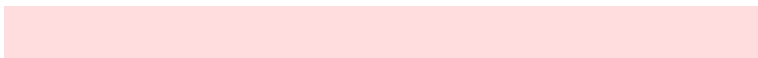
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4679, 0.2823, 0.3289



80.4679, 0.2917, 0.2969



80.4679, 0.3440, 0.3279



80.4679, 0.3334, 0.3627

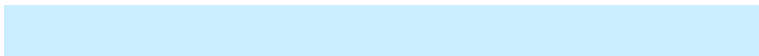


# Rectangle

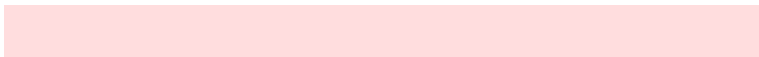
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



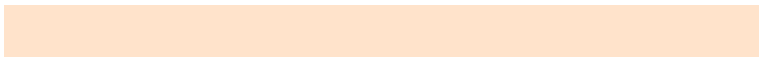
80.4679, 0.2823, 0.3289



80.4679, 0.2776, 0.3037



80.4679, 0.3440, 0.3279



80.4679, 0.3490, 0.3533

# Sweetspot

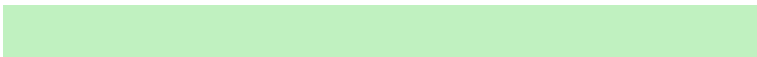
The Sweet Spot groups the original color and five complimentary colors.



80.4712, 0.2823, 0.3289



97.2113, 0.3034, 0.3290



77.9282, 0.3101, 0.3854



20.7452, 0.3024, 0.3290



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.



80.4712, 0.2823, 0.3289



90.1771, 0.2772, 0.3289



66.9204, 0.2805, 0.3013



17.9286, 0.2981, 0.3290



37.5476, 0.2246, 0.3287



3.1237, 0.2246, 0.3287



# Inverse Universe

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



62.7424, 0.3151, 0.2784



66.9740, 0.3155, 0.2691



71.8740, 0.3483, 0.3552



16.0314, 0.3138, 0.3057



13.5838, 0.3210, 0.1542

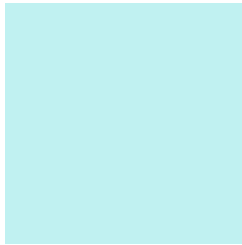


1.1301, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 80.4679, 0.2823, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

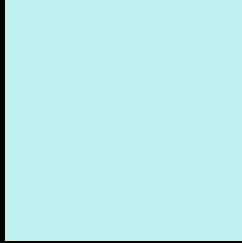
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.4679, 0.2823, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

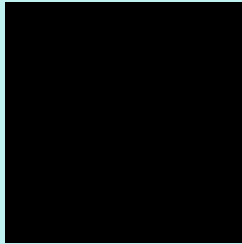
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.4679, 0.2823, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4679, 0.2823, 0.3289.

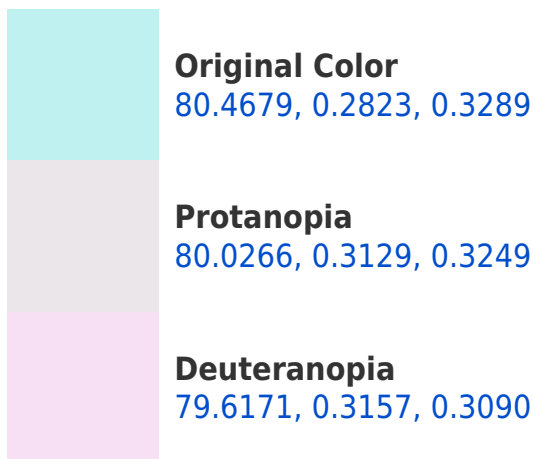


This preview shows how white text looks on a background with the Yxy color 80.4679, 0.2823, 0.3289.

# 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

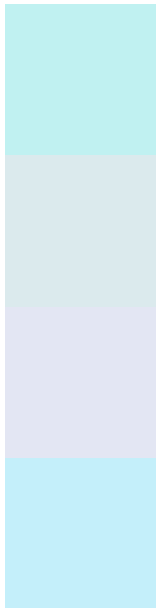




## Tritanopia

80.5112, 0.2786, 0.3108

# Trichromacy



**Original Color**

80.4679, 0.2823, 0.3289

**Protanomaly**

80.0201, 0.3010, 0.3258

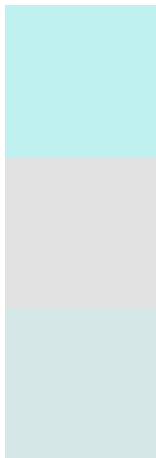
**Deuteranomaly**

79.3956, 0.3026, 0.3155

**Tritanomaly**

80.3709, 0.2797, 0.3171

# Monochromacy



**Original Color**

80.4679, 0.2823, 0.3289

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

77.2175, 0.3013, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.4679, 0.2823, 0.3289 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(192, 241, 241)` looks like.

```
.text, #text, p{  
    color:rgb(192, 241, 241)  
}
```

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(192, 241, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 241, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4679, 0.2823, 0.3289 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(192, 241, 241) }
```

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

```
.border{ border-color:rgb(192, 241, 241) }
```

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

Here you see how a box with a 4 pixel rgb(192, 241, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 241, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 241, 241);  
box-shadow:4px 4px 4px 4px rgb(192, 241,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.4679, 0.2823, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 241, 241) }
```

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

```
.background{ background-color: rgb(192,  
241, 241) }
```

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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