

# Converting Colors

$Y_{xy}(50.8700, 0.2308, 0.3026)$

Have a look what the booklet for  
Yxy(50.8700, 0.2308, 0.3026)  
contains.

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# Color

**Yxy(50.8383, 0.2309, 0.3028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52CDE0
RGB	82, 205, 224
RGB Percent	32%, 80%, 88%
CMY	0.6783, 0.1961, 0.1216
CMYK	0.63, 0.08, 0.00, 0.12
HSL	188°, 70%, 60%
HSV	188°, 63%, 88%
XYZ	38.7667, 50.8383, 78.2890
YIQ	170.3890, -79.4070, -20.1670

# Conversions

## Conversions Part 2

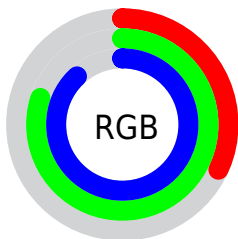
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 148, 224
Decimal	5426656
CIE <sub>Lab</sub>	76.58, -28.25, -19.55
CIE <sub>LCh</sub>	77, 34.358, 214.685
Yxy	50.8383, 0.2309, 0.3028
Android (android.graphics.Color)	4283616736 (0xFF52CDE0)
YUV	170.3890, 26.4302, -77.5172
Hunter-Lab	71.3010, -27.7253, -15.1901

# Details

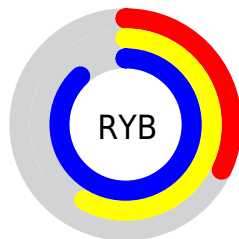
The Yxy color **50.8383, 0.2309, 0.3028** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.7695, 0.5009, 0.3496**, and the grayscale version is **40.3025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **24.6773, 0.2149, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **48.5738, 0.2235, 0.2981**, and if you desaturate by 10%, it is **53.4617, 0.2402, 0.3075**.

# Distribution



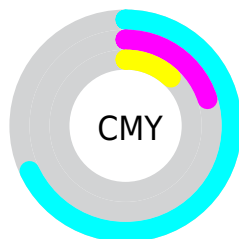
- Red (32%)
- Green (80%)
- Blue (88%)



- Red (32%)
- Yellow (58%)
- Blue (88%)



- Cyan (63%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)




- Cyan (68%)
- Magenta (20%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8383, 0.2309, 0.3028 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 50.8383, 0.2309, 0.3028 by changing the saturation by 10% instead.





 50.8383, 0.2309,  
0.3028


 50.8383, 0.2309,  
0.3028


389.9352, 0.2699,  
0.3168


 36.0799, 0.2218,  
0.2991


 91.4157, 0.2446,  
0.3081


 24.4959, 0.2105,  
0.2942


 118.0035, 0.2499,  
0.3100

 15.7019, 0.1962,  
0.2876


 149.3033, 0.2544,  
0.3116

 9.3135, 0.1774,  
0.2783

 185.6994, 0.2583,  
0.3130

 4.9462, 0.1520,  
0.2641

227.5763, 0.2617,  
0.3141

 2.2157, 0.1167,  
0.2409

275.3183, 0.2648,

 0.7286, 0.0008,

0.3152

0.2109

329.3098, 0.2674,  
0.3160

0.0000, 0.0000,  
0.0000

50.8383, 0.2309,  
0.3028

50.8383, 0.2309,  
0.3028

48.5738, 0.2235,  
0.2981

53.4617, 0.2402,  
0.3075

46.6291, 0.2180,  
0.2933

56.4674, 0.2513,  
0.3120


44.9657, 0.2143,  
0.2886

59.8829, 0.2638,  
0.3164


43.9762, 0.2127,  
0.2855


63.7317, 0.2776,  
0.3205

68.0354, 0.2922,  
0.3244

 72.8141, 0.3075,  
0.3279

 78.0866, 0.3230,  
0.3311

 82.6699, 0.3342,  
0.3340

 84.3429, 0.3338,  
0.3370

# Harmonies

## Analogous

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



50.8383, 0.2527, 0.3480



50.8383, 0.2309, 0.3028



50.8383, 0.2292, 0.2699

# Triad

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



50.8383, 0.2309, 0.3028



50.8383, 0.3298, 0.2772



50.8383, 0.3786, 0.4068

# Complementary

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



50.8383, 0.2309, 0.3028



25.7695, 0.5009, 0.3496

# 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.



50.8383, 0.4031, 0.3805



50.8383, 0.2309, 0.3028



50.8383, 0.3745, 0.3078

# Square

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



50.8383, 0.2309, 0.3028



50.8383, 0.2833, 0.2582



50.8383, 0.4020, 0.3445



50.8383, 0.3372, 0.4125

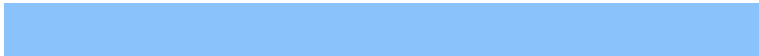


# Rectangle

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



50.8383, 0.2309, 0.3028



50.8383, 0.2393, 0.2579



50.8383, 0.4020, 0.3445



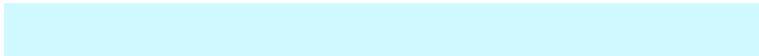
50.8383, 0.3891, 0.3998

# Sweetspot

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



50.8402, 0.2309, 0.3028



87.8736, 0.2837, 0.3222



56.0448, 0.2955, 0.5098



18.4610, 0.2795, 0.3211



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.



50.8402, 0.2309, 0.3028



64.2938, 0.2215, 0.2966



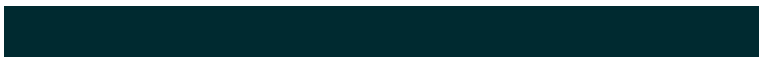
24.2507, 0.2061, 0.1962



15.2431, 0.2982, 0.3258



25.7208, 0.2129, 0.2863



1.8707, 0.2149, 0.2935



# Inverse Universe

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



26.2941, 0.3404, 0.1999



30.2797, 0.3472, 0.1842



45.9404, 0.4380, 0.4280



13.9024, 0.3158, 0.3089



11.5046, 0.3577, 0.1744

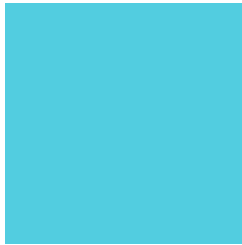


0.8063, 0.3512, 0.1708



# Previews

## White Background



This preview shows how the Yxy color 50.8383, 0.2309, 0.3028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

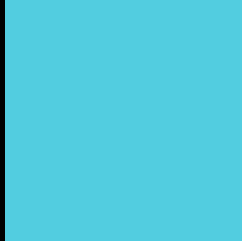
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.8383, 0.2309, 0.3028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

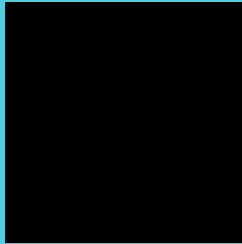
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.8383, 0.2309, 0.3028**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.8383, 0.2309, 0.3028.

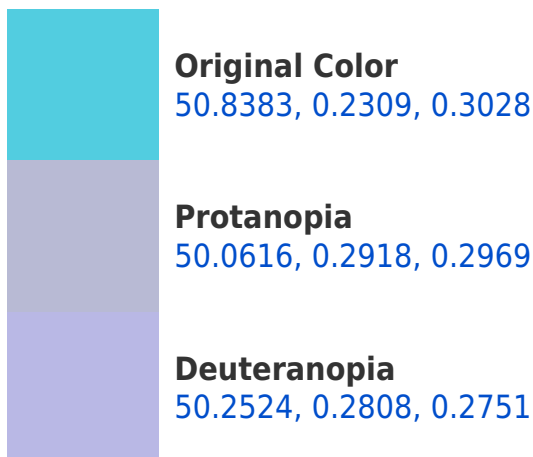


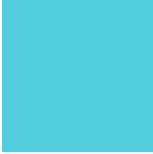
This preview shows how white text looks on a background with the Yxy color 50.8383, 0.2309, 0.3028.

# 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**

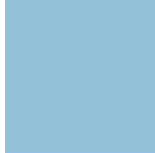
50.6859, 0.2314, 0.3054

# Trichromacy



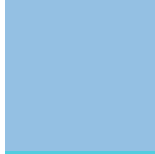
## Original Color

50.8383, 0.2309, 0.3028



## Protanomaly

49.3008, 0.2636, 0.2988



## Deuteranomaly

49.5412, 0.2577, 0.2842



## Tritanomaly

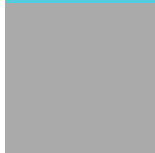
50.7397, 0.2310, 0.3041

# Monochromacy



## Original Color

50.8383, 0.2309, 0.3028



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

42.9880, 0.2724, 0.3190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8383, 0.2309, 0.3028 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(82, 205, 224)` looks like.

```
.text, #text, p{  
    color:rgb(82, 205, 224)  
}
```

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(82, 205, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 205, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8383, 0.2309, 0.3028 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(82, 205, 224) }
```

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

```
.border{ border-color:rgb(82, 205, 224) }
```

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

Here you see how a box with a 4 pixel rgb(82, 205, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 205, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 205, 224);  
box-shadow:4px 4px 4px 4px rgb(82, 205,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8383, 0.2309, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 205, 224) }
```

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

```
.background{ background-color: rgb(82, 205,  
224) }
```

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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