

# Converting Colors

$Yxy(48.6886, 0.2435, 0.3258)$

Have a look what the booklet for  
Yxy(48.6886, 0.2435, 0.3258)  
contains.

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# Color

**Yxy(48.9278, 0.2434, 0.3260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DCACC
RGB	93, 202, 204
RGB Percent	36%, 79%, 80%
CMY	0.6353, 0.2078, 0.2001
CMYK	0.54, 0.01, 0.00, 0.20
HSL	181°, 52%, 58%
HSV	181°, 54%, 80%
XYZ	36.5308, 48.9278, 64.6267
YIQ	169.6370, -65.6060, -22.4860

# Conversions

## Conversions Part 2

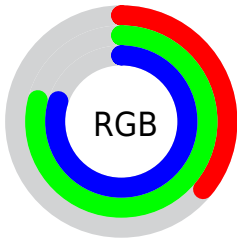
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 148, 204
Decimal	6146764
CIE <sub>Lab</sub>	75.41, -30.46, -10.48
CIE <sub>LCh</sub>	75, 32.213, 198.989
Yxy	48.9278, 0.2434, 0.3260
Android (android.graphics.Color)	4284336844 (0xFF5DCACC)
YUV	169.6370, 16.9410, -67.2106
Hunter-Lab	69.9484, -29.1876, -5.8153

# Details

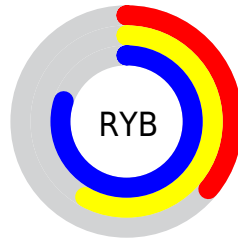
The Yxy color **48.9278, 0.2434, 0.3260** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.8024, 0.4713, 0.3319**, and the grayscale version is **39.9474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **23.1796, 0.2249, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **47.8342, 0.2357, 0.3254**, and if you desaturate by 10%, it is **50.3094, 0.2529, 0.3266**.

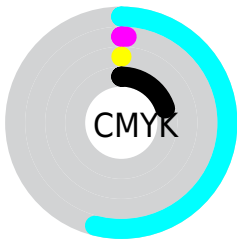
# Distribution



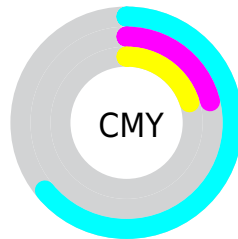
- Red (36%)
- Green (79%)
- Blue (80%)



- Red (36%)
- Yellow (58%)
- Blue (80%)



- Cyan (54%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (64%)
- Magenta (21%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9278, 0.2434, 0.3260 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 48.9278, 0.2434, 0.3260 by changing the saturation by 10% instead.





 48.9278, 0.2434,  
0.3260


 48.9278, 0.2434,  
0.3260

382.4580, 0.2770,  
0.3283

 34.5622, 0.2354,  
0.3252


 88.5842, 0.2554,  
0.3270

 23.3258, 0.2253,  
0.3240


 114.6438, 0.2599,  
0.3274

 14.8343, 0.2122,  
0.3222


 145.3702, 0.2638,  
0.3276

 8.7032, 0.1947,  
0.3192

 181.1478, 0.2672,  
0.3278

 4.5481, 0.1702,  
0.3140

222.3610, 0.2701,  
0.3280

 1.9846, 0.1343,  
0.3036

269.3942, 0.2727,

 0.5985, 0.0000,

0.3281

0.2924

322.6317, 0.2750,  
0.3282

0.0000, 0.0000,  
0.0000

48.9278, 0.2434,  
0.3260

48.9278, 0.2434,  
0.3260

47.8342, 0.2357,  
0.3254

50.3094, 0.2529,  
0.3266

46.9997, 0.2300,  
0.3248

51.9939, 0.2642,  
0.3272

46.3996, 0.2261,  
0.3242

54.0019, 0.2770,  
0.3278

46.0014, 0.2239,  
0.3236

56.3504, 0.2910,  
0.3283

45.8335, 0.2232,  
0.3233

59.0556, 0.3059,  
0.3288

■ 62.1323, 0.3215,  
0.3293

■ 65.5946, 0.3374,  
0.3297

■ 69.2313, 0.3525,  
0.3301

■ 69.4042, 0.3525,  
0.3304

# Harmonies

## Analogous

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



48.9278, 0.2733, 0.3696



48.9278, 0.2434, 0.3260



48.9278, 0.2315, 0.2874

# Triad

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



48.9278, 0.2434, 0.3260



48.9278, 0.3053, 0.2684



48.9278, 0.3902, 0.3919

# Complementary

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



48.9278, 0.2434, 0.3260



21.8024, 0.4713, 0.3319

# 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.



48.9278, 0.4013, 0.3609



48.9278, 0.2434, 0.3260



48.9278, 0.3504, 0.2924

# Square

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



48.9278, 0.2434, 0.3260



48.9278, 0.2652, 0.2578



48.9278, 0.3866, 0.3253



48.9278, 0.3581, 0.4085



# Rectangle

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



48.9278, 0.2434, 0.3260



48.9278, 0.2344, 0.2697



48.9278, 0.3866, 0.3253



48.9278, 0.3966, 0.3826

# Sweetspot

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



48.9297, 0.2434, 0.3260



92.6061, 0.2884, 0.3282



46.3231, 0.3037, 0.4995



19.6423, 0.2854, 0.3281



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.



48.9297, 0.2434, 0.3260



79.0176, 0.2348, 0.3253



27.4405, 0.2257, 0.2401



12.6916, 0.2984, 0.3285



28.8726, 0.2232, 0.3234



1.5006, 0.2235, 0.3245



# Inverse Universe

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



24.9271, 0.3209, 0.2026



35.4788, 0.3224, 0.1833



35.5441, 0.4270, 0.4012



11.4002, 0.3141, 0.3066



10.7177, 0.3253, 0.1566

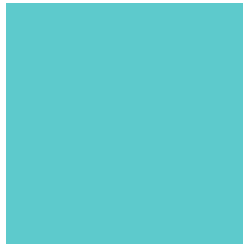


0.5540, 0.3244, 0.1561



# Previews

## White Background



This preview shows how the Yxy color 48.9278, 0.2434, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

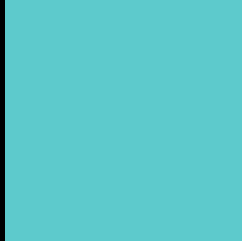
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9278, 0.2434, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

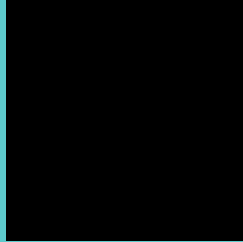
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.9278, 0.2434, 0.3260**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9278, 0.2434, 0.3260.

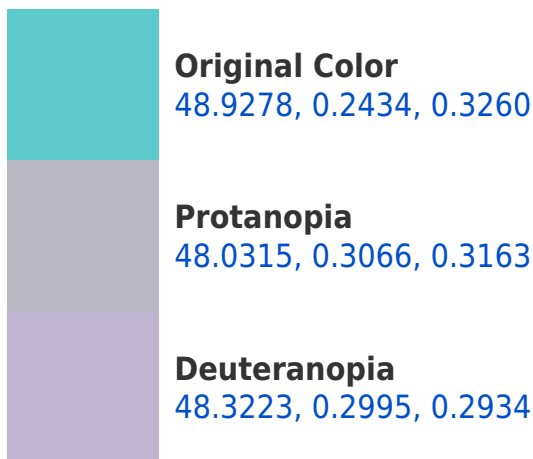


This preview shows how white text looks on a background with the Yxy color 48.9278, 0.2434, 0.3260.

# 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

48.8631, 0.2390, 0.3067

# Trichromacy



## Original Color

48.9278, 0.2434, 0.3260

## Protanomaly

47.5335, 0.2785, 0.3195

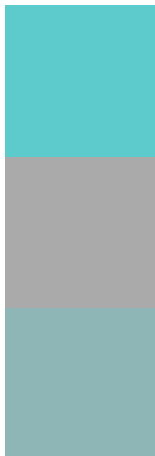
## Deuteranomaly

47.4400, 0.2739, 0.3038

## Tritanomaly

49.0136, 0.2404, 0.3134

# Monochromacy



## Original Color

48.9278, 0.2434, 0.3260

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

42.5841, 0.2806, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9278, 0.2434, 0.3260 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(93, 202, 204)` looks like.

```
.text, #text, p{  
    color:rgb(93, 202, 204)  
}
```

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(93, 202, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 202, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9278, 0.2434, 0.3260 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(93, 202, 204) }
```

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

```
.border{ border-color:rgb(93, 202, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 202, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 202, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 202, 204);  
box-shadow:4px 4px 4px 4px rgb(93, 202,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9278, 0.2434, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 202, 204) }
```

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

```
.background{ background-color: rgb(93, 202,  
204) }
```

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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