

# Converting Colors

$Yxy(48.7624, 0.2492, 0.3272)$

Have a look what the booklet for  
Yxy(48.7624, 0.2492, 0.3272)  
contains.

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# Color

**Yxy(48.9806, 0.2490, 0.3274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68C9CA
RGB	104, 201, 202
RGB Percent	41%, 79%, 79%
CMY	0.5924, 0.2117, 0.2078
CMYK	0.49, 0.00, 0.00, 0.21
HSL	181°, 48%, 60%
HSV	181°, 49%, 79%
XYZ	37.2516, 48.9806, 63.3726
YIQ	172.1110, -58.1330, -20.2530

# Conversions

## Conversions Part 2

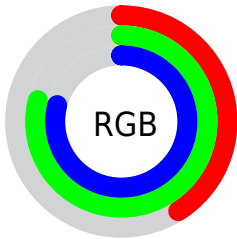
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 153, 202
Decimal	6867402
CIELab	75.44, -28.23, -9.33
CIElCh	75, 29.729, 198.293
Yxy	48.9806, 0.2490, 0.3274
Android (android.graphics.Color)	4285057482 (0xFF68C9CA)
YUV	172.1110, 14.7353, -59.7333
Hunter-Lab	69.9861, -27.4654, -4.6969

# Details

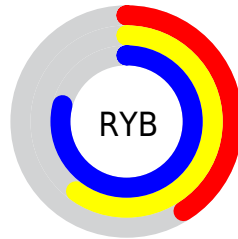
The Yxy color **48.9806, 0.2490, 0.3274** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.6472, 0.4461, 0.3307**, and the grayscale version is **41.2542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **23.4770, 0.2324, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **47.8200, 0.2403, 0.3270**, and if you desaturate by 10%, it is **50.4346, 0.2595, 0.3278**.

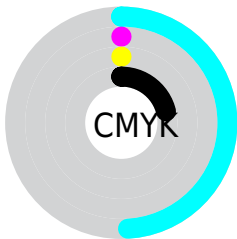
# Distribution



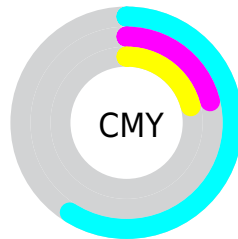
- Red (41%)
- Green (79%)
- Blue (79%)



- Red (41%)
- Yellow (60%)
- Blue (79%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)




- Cyan (59%)
- Magenta (21%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9806, 0.2490, 0.3274 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 48.9806, 0.2490, 0.3274 by changing the saturation by 10% instead.




 48.9806, 0.2490,  
0.3274


 48.9806, 0.2490,  
0.3274


382.6659, 0.2800,  
0.3289

 34.6041, 0.2416,  
0.3268


 88.6626, 0.2600,  
0.3281

 23.3581, 0.2322,  
0.3260


 114.7370, 0.2642,  
0.3283

 14.8581, 0.2200,  
0.3246


 145.4793, 0.2678,  
0.3285

 8.7199, 0.2037,  
0.3224

 181.2742, 0.2709,  
0.3286

 4.5589, 0.1806,  
0.3184

222.5059, 0.2736,  
0.3287

 1.9909, 0.1462,  
0.3101

269.5588, 0.2760,

 0.6022, 0.0000,

0.3288

0.3084

322.8173, 0.2781,  
0.3289

0.0000, 0.0000,  
0.0000

48.9806, 0.2490,  
0.3274

48.9806, 0.2490,  
0.3274

47.8200, 0.2403,  
0.3270

50.4346, 0.2595,  
0.3278

46.9260, 0.2335,  
0.3267

52.1952, 0.2716,  
0.3281

46.2768, 0.2286,  
0.3264


54.2818, 0.2851,  
0.3284

45.8442, 0.2255,  
0.3260


56.7102, 0.2996,  
0.3287

45.5840, 0.2240,  
0.3257


59.4955, 0.3150,  
0.3290

 45.5512, 0.2238,  
0.3256

 62.6518, 0.3308,  
0.3293

 66.1925, 0.3469,  
0.3296

 68.0741, 0.3545,  
0.3298

 68.1711, 0.3545,  
0.3300

# Harmonies

## Analogous

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



48.9806, 0.2772, 0.3672



48.9806, 0.2490, 0.3274



48.9806, 0.2374, 0.2915

# Triad

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



48.9806, 0.2490, 0.3274



48.9806, 0.3050, 0.2723



48.9806, 0.3848, 0.3869

# Complementary

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



48.9806, 0.2490, 0.3274



23.6472, 0.4461, 0.3307

# 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.



48.9806, 0.3944, 0.3582



48.9806, 0.2490, 0.3274



48.9806, 0.3466, 0.2945

# Square

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



48.9806, 0.2490, 0.3274



48.9806, 0.2680, 0.2629



48.9806, 0.3802, 0.3251



48.9806, 0.3557, 0.4021



# Rectangle

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



48.9806, 0.2490, 0.3274



48.9806, 0.2398, 0.2747



48.9806, 0.3802, 0.3251



48.9806, 0.3905, 0.3783

# Sweetspot

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



48.9825, 0.2490, 0.3274



93.2052, 0.2898, 0.3285



46.1831, 0.3056, 0.4813



19.7691, 0.2868, 0.3285



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.



48.9825, 0.2490, 0.3274



80.9151, 0.2401, 0.3270



29.9788, 0.2353, 0.2542



12.7067, 0.2984, 0.3287



29.3174, 0.2238, 0.3257



1.5189, 0.2240, 0.3263



# Inverse Universe

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



26.6644, 0.3192, 0.2136



38.9197, 0.3205, 0.1939



36.3306, 0.4128, 0.3921



11.4017, 0.3139, 0.3064



10.7626, 0.3234, 0.1555



0.5559, 0.3229, 0.1553



# Previews

## White Background



This preview shows how the Yxy color 48.9806, 0.2490, 0.3274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

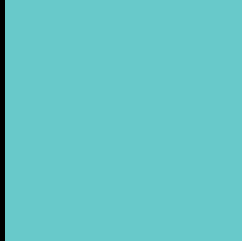
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9806, 0.2490, 0.3274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

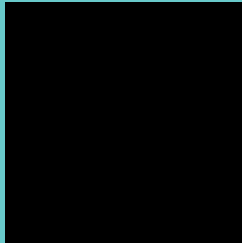
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

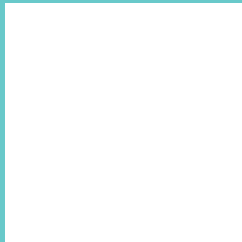
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9806, 0.2490, 0.3274**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9806, 0.2490, 0.3274.

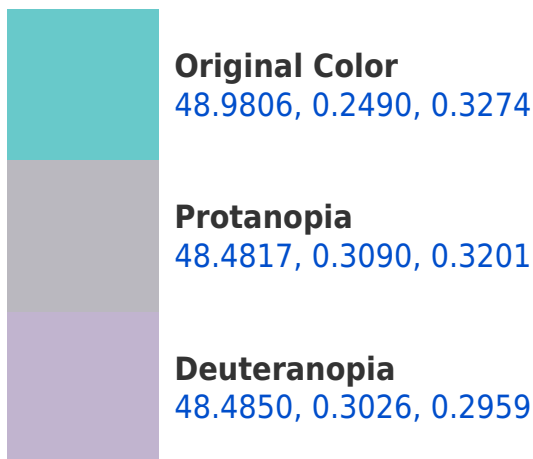


This preview shows how white text looks on a background with the Yxy color 48.9806, 0.2490, 0.3274.

# 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

48.9413, 0.2437, 0.3068

# Trichromacy



## Original Color

48.9806, 0.2490, 0.3274



## Protanomaly

47.8350, 0.2827, 0.3222



## Deuteranomaly

47.9513, 0.2795, 0.3067



## Tritanomaly

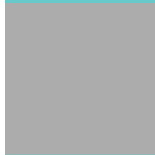
49.0875, 0.2461, 0.3149

# Monochromacy



## Original Color

48.9806, 0.2490, 0.3274



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

43.4889, 0.2837, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9806, 0.2490, 0.3274 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(104, 201, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 201, 202)  
}
```

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(104, 201, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 201, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9806, 0.2490, 0.3274 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(104, 201, 202) }
```

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

```
.border{ border-color:rgb(104, 201, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 201, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 201, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 201, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 201,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9806, 0.2490, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 201, 202) }
```

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

```
.background{ background-color: rgb(104,  
201, 202) }
```

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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