

# Converting Colors

$Yxy(48.6184, 0.2523, 0.3297)$

Have a look what the booklet for  
Yxy(48.6184, 0.2523, 0.3297)  
contains.

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# Color

**Yxy(48.6202, 0.2523, 0.3302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CC8C7
RGB	108, 200, 199
RGB Percent	42%, 78%, 78%
CMY	0.5765, 0.2157, 0.2195
CMYK	0.46, 0.00, 0.00, 0.22
HSL	179°, 46%, 60%
HSV	179°, 46%, 78%
XYZ	37.1498, 48.6202, 61.4747
YIQ	172.3780, -54.5110, -19.8150

# Conversions

## Conversions Part 2

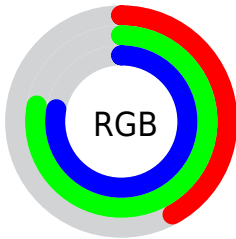
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 154, 200
Decimal	7129287
CIELab	75.21, -27.59, -8.03
CIELCh	75, 28.737, 196.236
Yxy	48.6202, 0.2523, 0.3302
Android (android.graphics.Color)	4285319367 (0xFF6CC8C7)
YUV	172.3780, 13.1246, -56.4595
Hunter-Lab	69.7282, -26.9230, -3.4623

# Details

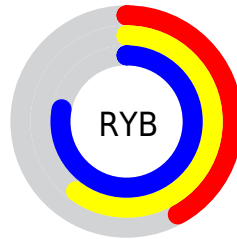
The Yxy color **48.6202, 0.2523, 0.3302** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.1094, 0.4347, 0.3281**, and the grayscale version is **41.4114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **23.2305, 0.2365, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **47.4987, 0.2433, 0.3305**, and if you desaturate by 10%, it is **50.0331, 0.2630, 0.3299**.

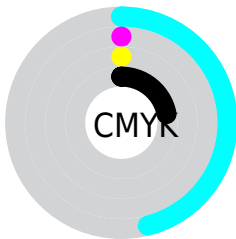
# Distribution



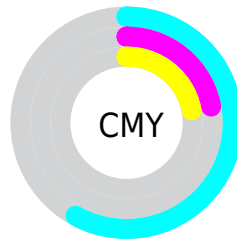
- Red (42%)
- Green (78%)
- Blue (78%)



- Red (42%)
- Yellow (60%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6202, 0.2523, 0.3302 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 48.6202, 0.2523, 0.3302 by changing the saturation by 10% instead.





 48.6202, 0.2523,  
0.3302


 48.6202, 0.2523,  
0.3302


381.2452, 0.2818,  
0.3302


 34.3183, 0.2452,  
0.3300


 88.1271, 0.2628,  
0.3303

 23.1382, 0.2362,  
0.3297


 114.1009, 0.2668,  
0.3304

 14.6956, 0.2245,  
0.3290

 144.7341, 0.2702,  
0.3304

 8.6060, 0.2087,  
0.3278

180.4111, 0.2732,  
0.3303

 4.4851, 0.1863,  
0.3253

221.5163, 0.2757,  
0.3303

 1.9485, 0.1525,  
0.3195

268.4342, 0.2780,

 0.5773, 0.0000,

0.3303

0.3233

321.5490, 0.2800,  
0.3303

0.0000, 0.0000,  
0.0000

48.6202, 0.2523,  
0.3302

48.6202, 0.2523,  
0.3302

47.4987, 0.2433,  
0.3305

50.0331, 0.2630,  
0.3299

46.6431, 0.2362,  
0.3308

51.7497, 0.2754,  
0.3296

46.0327, 0.2310,  
0.3312

53.7886, 0.2890,  
0.3294

45.6413, 0.2277,  
0.3315

56.1652, 0.3036,  
0.3291

45.4362, 0.2260,  
0.3318

58.8937, 0.3189,  
0.3289

 45.3807, 0.2256,  
0.3320

 61.9878, 0.3347,  
0.3287

 65.4604, 0.3506,  
0.3286

 66.7728, 0.3561,  
0.3284

 66.7828, 0.3559,  
0.3282

# Harmonies

## Analogous

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



48.6202, 0.2807, 0.3683



48.6202, 0.2523, 0.3302



48.6202, 0.2398, 0.2947

# Triad

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



48.6202, 0.2523, 0.3302



48.6202, 0.3026, 0.2728



48.6202, 0.3840, 0.3836

# Complementary

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



48.6202, 0.2523, 0.3302



24.1094, 0.4347, 0.3281

# 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.



48.6202, 0.3916, 0.3553



48.6202, 0.2523, 0.3302



48.6202, 0.3429, 0.2937

# Square

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



48.6202, 0.2523, 0.3302



48.6202, 0.2673, 0.2647



48.6202, 0.3764, 0.3231



48.6202, 0.3568, 0.3994



# Rectangle

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



48.6202, 0.2523, 0.3302



48.6202, 0.2413, 0.2777



48.6202, 0.3764, 0.3231



48.6202, 0.3890, 0.3751

# Sweetspot

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



48.6221, 0.2523, 0.3302



93.8223, 0.2915, 0.3293



45.6772, 0.3070, 0.4716



19.9011, 0.2884, 0.3294



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.



48.6221, 0.2523, 0.3302



82.2726, 0.2435, 0.3305



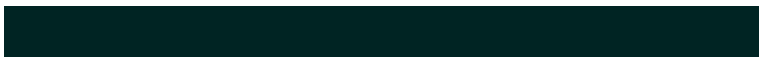
30.9802, 0.2398, 0.2614



12.0656, 0.2985, 0.3292



28.8553, 0.2255, 0.3319



1.3669, 0.2253, 0.3312



# Inverse Universe

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



24.1094, 0.4347, 0.3281



34.7310, 0.4771, 0.3280



35.9715, 0.4070, 0.3870



10.6387, 0.3288, 0.3288



7.8114, 0.6388, 0.3293

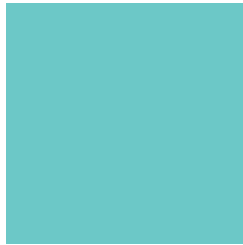


0.3705, 0.6341, 0.3267



# Previews

## White Background



This preview shows how the Yxy color 48.6202, 0.2523, 0.3302 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 48.6202, 0.2523, 0.3302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

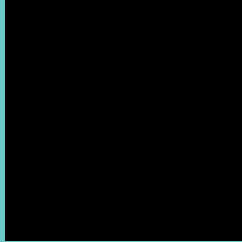
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

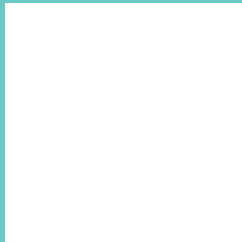
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.6202, 0.2523, 0.3302**

## Background



This preview shows how black text looks on a background with the Yxy color 48.6202, 0.2523, 0.3302.

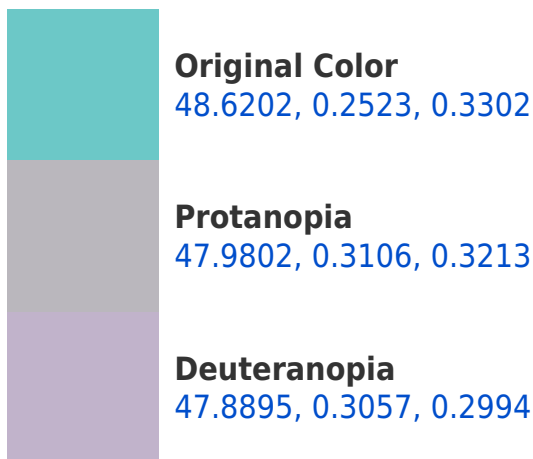


This preview shows how white text looks on a background with the Yxy color 48.6202, 0.2523, 0.3302.

# 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

48.7539, 0.2464, 0.3069

# Trichromacy



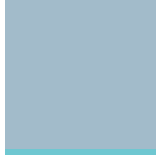
## Original Color

48.6202, 0.2523, 0.3302



## Protanomaly

47.5145, 0.2855, 0.3236



## Deuteranomaly

47.4863, 0.2821, 0.3092



## Tritanomaly

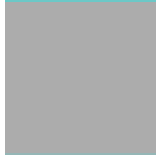
48.8298, 0.2483, 0.3150

# Monochromacy



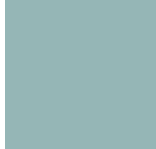
## Original Color

48.6202, 0.2523, 0.3302



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

43.2229, 0.2859, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6202, 0.2523, 0.3302 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(108, 200, 199)` looks like.

```
.text, #text, p{  
    color:rgb(108, 200, 199)  
}
```

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(108, 200, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 200, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6202, 0.2523, 0.3302 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(108, 200, 199) }
```

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

```
.border{ border-color:rgb(108, 200, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 200, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 200, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 200, 199);  
box-shadow:4px 4px 4px 4px rgb(108, 200,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6202, 0.2523, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 200, 199) }
```

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

```
.background{ background-color: rgb(108,  
200, 199) }
```

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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