

# Converting Colors

$Y_{xy}(48.3598, 0.2268, 0.3062)$

Have a look what the booklet for  
Yxy(48.3598, 0.2268, 0.3062)  
contains.

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# Color

**Yxy(48.3598, 0.2268, 0.3062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FCADA
RGB	63, 202, 218
RGB Percent	25%, 79%, 85%
CMY	0.7531, 0.2078, 0.1452
CMYK	0.71, 0.07, 0.00, 0.15
HSL	186°, 68%, 55%
HSV	186°, 71%, 85%
XYZ	35.8197, 48.3598, 73.7558
YIQ	162.2630, -87.9800, -24.4920

# Conversions

## Conversions Part 2

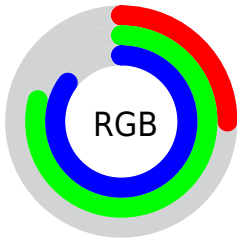
Format	Color
R <sub>Y</sub> B	63, 136, 218
Decimal	4180698
CIE Lab	75.05, -31.30, -18.66
CIE LCh	75, 36.445, 210.802
Yxy	48.3598, 0.2268, 0.3062
Android (android.graphics.Color)	4282370778 (0xFF3FCADA)
YUV	162.2630, 27.4783, -87.0537
Hunter-Lab	69.5412, -29.7542, -14.2045

# Details

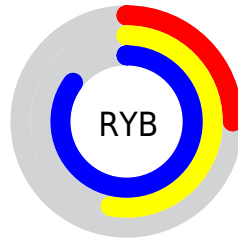
The Yxy color **48.3598, 0.2268, 0.3062** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.8398, 0.5393, 0.3448**, and the grayscale version is **36.1554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **23.5118, 0.2162, 0.2982** is the 20% darker color. If you saturate the color by 10%, you get **46.7352, 0.2213, 0.3026**, and if you desaturate by 10%, it is **50.2871, 0.2343, 0.3098**.

# Distribution



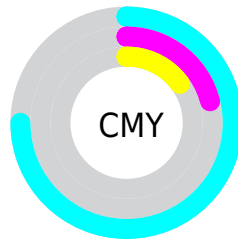
- Red (25%)
- Green (79%)
- Blue (85%)



- Red (25%)
- Yellow (53%)
- Blue (85%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)




- Cyan (75%)
- Magenta (21%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3598, 0.2268, 0.3062 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 48.3598, 0.2268, 0.3062 by changing the saturation by 10% instead.





 48.3598, 0.2268,  
0.3062


 48.3598, 0.2268,  
0.3062

380.2165, 0.2680,  
0.3188


 34.1119, 0.2171,  
0.3027


 87.7399, 0.2413,  
0.3110


 22.9796, 0.2051,  
0.2982


 113.6408, 0.2469,  
0.3128

 14.5784, 0.1897,  
0.2918


 144.1949, 0.2517,  
0.3142

 8.5241, 0.1695,  
0.2826

 179.7866, 0.2558,  
0.3154

 4.4321, 0.1422,  
0.2683

220.8002, 0.2595,  
0.3165

 1.9181, 0.1043,  
0.2440

267.6201, 0.2626,

 0.5592, 0.0000,

0.3174

0.1984

320.6308, 0.2655,  
0.3181

■ 0.0000, 0.0000,  
0.0000

■ 48.3598, 0.2268,  
0.3062

■ 48.3598, 0.2268,  
0.3062

■ 46.7352, 0.2213,  
0.3026

■ 50.2871, 0.2343,  
0.3098

■ 45.3722, 0.2176,  
0.2991

■ 52.5418, 0.2436,  
0.3133

■ 44.3274, 0.2156,  
0.2960

■ 55.1519, 0.2547,  
0.3168

■ 58.1408, 0.2672,  
0.3201

■ 61.5301, 0.2810,  
0.3232

■ 65.3395, 0.2957,  
0.3261

■ 69.5874, 0.3110,  
0.3287

■ 74.2910, 0.3266,  
0.3311

■ 78.6746, 0.3392,  
0.3333

# Harmonies

## Analogous

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



48.3598, 0.2526, 0.3560



48.3598, 0.2268, 0.3062



48.3598, 0.2223, 0.2687

# Triad

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



48.3598, 0.2268, 0.3062



48.3598, 0.3243, 0.2700



48.3598, 0.3881, 0.4099

# Complementary

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



48.3598, 0.2268, 0.3062



20.8398, 0.5393, 0.3448

# 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.



48.3598, 0.4116, 0.3791



48.3598, 0.2268, 0.3062



48.3598, 0.3738, 0.3013

# Square

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



48.3598, 0.2268, 0.3062



48.3598, 0.2751, 0.2518



48.3598, 0.4068, 0.3400



48.3598, 0.3451, 0.4202



# Rectangle

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



48.3598, 0.2268, 0.3062



48.3598, 0.2312, 0.2544



48.3598, 0.4068, 0.3400



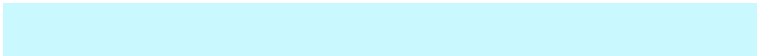
48.3598, 0.3986, 0.4013

# Sweetspot

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



48.3616, 0.2268, 0.3062



87.7522, 0.2809, 0.3231



51.7401, 0.2968, 0.5388



18.4819, 0.2770, 0.3223



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

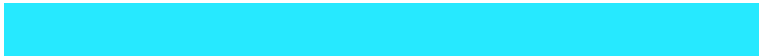


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.3616, 0.2268, 0.3062



65.7344, 0.2193, 0.3010



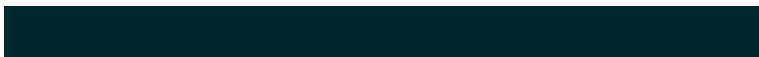
20.7738, 0.1967, 0.1855



14.5885, 0.2982, 0.3265



26.6572, 0.2157, 0.2965



1.7944, 0.2173, 0.3022



# Inverse Universe

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



22.7161, 0.3385, 0.1860



28.5273, 0.3441, 0.1734



39.0250, 0.4594, 0.4301



13.2505, 0.3153, 0.3083



11.3148, 0.3485, 0.1694

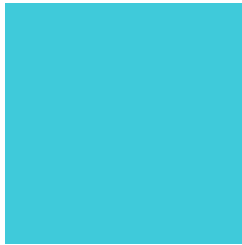


0.7398, 0.3435, 0.1666



# Previews

## White Background



This preview shows how the Yxy color 48.3598, 0.2268, 0.3062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

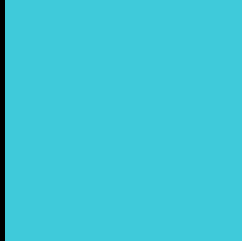
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3598, 0.2268, 0.3062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

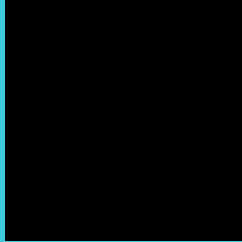
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.3598, 0.2268, 0.3062**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.3598, 0.2268, 0.3062.

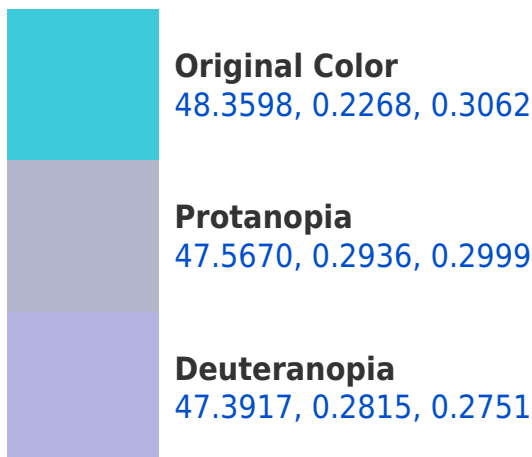


This preview shows how white text looks on a background with the Yxy color 48.3598, 0.2268, 0.3062.

# 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

48.3598, 0.2268, 0.3062

# Trichromacy



## Original Color

48.3598, 0.2268, 0.3062



## Protanomaly

46.3667, 0.2602, 0.3005



## Deuteranomaly

46.1644, 0.2540, 0.2839



## Tritanomaly

48.3598, 0.2268, 0.3062

# Monochromacy



## Original Color

48.3598, 0.2268, 0.3062



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

39.2573, 0.2683, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3598, 0.2268, 0.3062 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(63, 202, 218)` looks like.

```
.text, #text, p{  
    color:rgb(63, 202, 218)  
}
```

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(63, 202, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 202, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3598, 0.2268, 0.3062 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(63, 202, 218) }
```

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

```
.border{ border-color:rgb(63, 202, 218) }
```

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

Here you see how a box with a 4 pixel rgb(63, 202, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 202, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 202, 218);  
box-shadow:4px 4px 4px 4px rgb(63, 202,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3598, 0.2268, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 202, 218) }
```

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

```
.background{ background-color: rgb(63, 202,  
218) }
```

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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