

# Converting Colors

$Y_{xy}(48.2836, 0.2486, 0.2959)$

Have a look what the booklet for  
Yxy(48.2836, 0.2486, 0.2959)  
contains.

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# Color

**Yxy(48.4298, 0.2488, 0.2966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CC3DB
RGB	124, 195, 219
RGB Percent	49%, 76%, 86%
CMY	0.5133, 0.2353, 0.1411
CMYK	0.43, 0.11, 0.00, 0.14
HSL	195°, 57%, 67%
HSV	195°, 43%, 86%
XYZ	40.6249, 48.4298, 74.2285
YIQ	176.5070, -50.0200, -7.5880

# Conversions

## Conversions Part 2

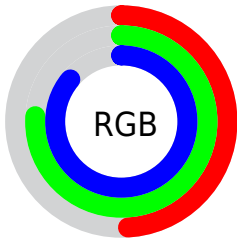
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 165, 219
Decimal	8176603
CIELab	75.10, -16.02, -18.96
CIELCh	75, 24.820, 229.813
Yxy	48.4298, 0.2488, 0.2966
Android (android.graphics.Color)	4286366683 (0xFF7CC3DB)
YUV	176.5070, 20.9490, -46.0486
Hunter-Lab	69.5915, -17.5837, -14.5265

# Details

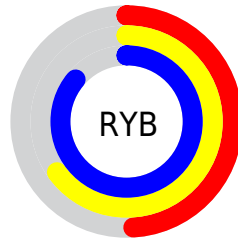
The Yxy color **48.4298, 0.2488, 0.2966** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.7383, 0.4128, 0.3584**, and the grayscale version is **43.6152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6646, 0.2702, 0.3257**, and **22.9590, 0.2322, 0.2865** is the 20% darker color. If you saturate the color by 10%, you get **44.5375, 0.2363, 0.2877**, and if you desaturate by 10%, it is **52.7805, 0.2625, 0.3051**.

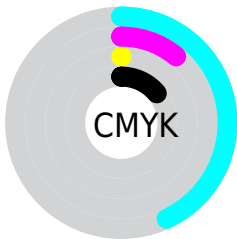
# Distribution



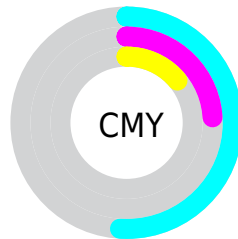
- Red (49%)
- Green (76%)
- Blue (86%)



- Red (49%)
- Yellow (65%)
- Blue (86%)



- Cyan (43%)
- Magenta (11%)
- Yellow (0%)
- Black (14%)




- Cyan (51%)
- Magenta (24%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4298, 0.2488, 0.2966 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 48.4298, 0.2488, 0.2966 by changing the saturation by 10% instead.




 48.4298, 0.2488,  
0.2966

 48.4298, 0.2488,  
0.2966


380.4932, 0.2798,  
0.3132


 34.1674, 0.2414,  
0.2924


 87.8440, 0.2598,  
0.3027

 23.0222, 0.2321,  
0.2869


 113.7645, 0.2640,  
0.3050

 14.6099, 0.2202,  
0.2796


 144.3399, 0.2676,  
0.3069

 8.5461, 0.2042,  
0.2694

179.9546, 0.2707,  
0.3085

 4.4463, 0.1819,  
0.2543

220.9928, 0.2734,  
0.3099

 1.9262, 0.1492,  
0.2299

267.8391, 0.2758,

 0.5641, 0.0481,

0.3112

0.1871

320.8777, 0.2779,  
0.3123

0.0000, 0.0000,  
0.0000

48.4298, 0.2488,  
0.2966

48.4298, 0.2488,  
0.2966

44.5375, 0.2363,  
0.2877

52.7805, 0.2625,  
0.3051

41.0727, 0.2253,  
0.2784

57.6070, 0.2771,  
0.3130

38.0091, 0.2162,  
0.2690

62.9323, 0.2922,  
0.3203

35.3143, 0.2090,  
0.2595

68.7764, 0.3076,  
0.3269

32.9493, 0.2037,  
0.2501

75.1576, 0.3229,  
0.3329

■ 31.5134, 0.2011,  
0.2438

■ 81.9971, 0.3377,  
0.3383

■ 85.1006, 0.3369,  
0.3438

■ 88.3029, 0.3361,  
0.3492

■ 91.6047, 0.3353,  
0.3545

# Harmonies

## Analogous

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



48.4298, 0.2581, 0.3264



48.4298, 0.2488, 0.2966



48.4298, 0.2553, 0.2779

# Triad

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



48.4298, 0.2488, 0.2966



48.4298, 0.3429, 0.3010



48.4298, 0.3476, 0.3902

# Complementary

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



48.4298, 0.2488, 0.2966



37.7383, 0.4128, 0.3584

# 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.



48.4298, 0.3725, 0.3790



48.4298, 0.2488, 0.2966



48.4298, 0.3702, 0.3275

# Square

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



48.4298, 0.2488, 0.2966



48.4298, 0.3083, 0.2815



48.4298, 0.3811, 0.3556



48.4298, 0.3142, 0.3835



# Rectangle

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



48.4298, 0.2488, 0.2966



48.4298, 0.2680, 0.2731



48.4298, 0.3811, 0.3556



48.4298, 0.3573, 0.3883

# Sweetspot

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



48.4317, 0.2488, 0.2966



89.0087, 0.2926, 0.3204



57.0923, 0.2932, 0.4293



18.6792, 0.2892, 0.3189



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

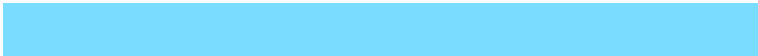


# Same Dimension

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



48.4317, 0.2488, 0.2966



63.3309, 0.2374, 0.2885



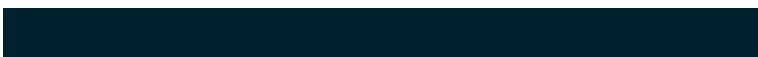
30.5343, 0.2374, 0.2288



14.2424, 0.2982, 0.3229



18.8679, 0.2015, 0.2453



1.3567, 0.2057, 0.2605



# Inverse Universe

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



33.4422, 0.3419, 0.2471



40.5213, 0.3503, 0.2313



55.6755, 0.3879, 0.4118



13.2156, 0.3176, 0.3117



10.5285, 0.3970, 0.1961

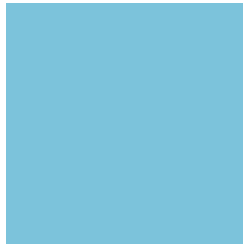


0.6957, 0.3819, 0.1878



# Previews

## White Background



This preview shows how the Yxy color 48.4298, 0.2488, 0.2966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

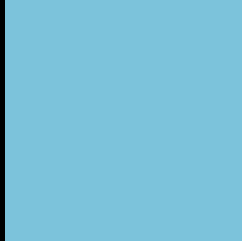
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4298, 0.2488, 0.2966 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 48.4298, 0.2488, 0.2966**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4298, 0.2488, 0.2966.



This preview shows how white text looks on a background with the Yxy color 48.4298, 0.2488, 0.2966.

# 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



### Original Color

48.4298, 0.2488, 0.2966

### Protanopia

48.1538, 0.2885, 0.2939

### Deuteranopia

47.9837, 0.2838, 0.2777



## Tritanopia

48.3709, 0.2517, 0.3070

# Trichromacy



**Original Color**

48.4298, 0.2488, 0.2966

**Protanomaly**

47.7666, 0.2721, 0.2940

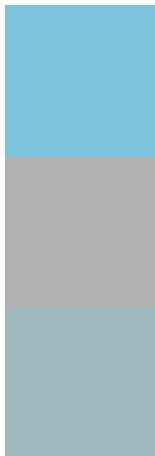
**Deuteranomaly**

47.5998, 0.2695, 0.2832

**Tritanomaly**

48.5971, 0.2506, 0.3031

# Monochromacy



**Original Color**

48.4298, 0.2488, 0.2966

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

45.3559, 0.2858, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4298, 0.2488, 0.2966 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(124, 195, 219)` looks like.

```
.text, #text, p{  
    color:rgb(124, 195, 219)  
}
```

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(124, 195, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 195, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4298, 0.2488, 0.2966 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(124, 195, 219) }
```

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

```
.border{ border-color:rgb(124, 195, 219) }
```

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

Here you see how a box with a 4 pixel rgb(124, 195, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 195, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 195, 219);  
box-shadow:4px 4px 4px 4px rgb(124, 195,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4298, 0.2488, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 195, 219) }
```

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

```
.background{ background-color: rgb(124,  
195, 219) }
```

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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