

Converting Colors

$Yxy(46.8652, 0.2457, 0.3282)$

Have a look what the booklet for
Yxy(46.8652, 0.2457, 0.3282)
contains.

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Color

Yxy(46.8451, 0.2457, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	5EC6C6
RGB	94, 198, 198
RGB Percent	37%, 78%, 78%
CMY	0.6312, 0.2235, 0.2235
CMYK	0.53, 0.00, 0.00, 0.22
HSL	180°, 48%, 57%
HSV	180°, 53%, 78%
XYZ	35.0056, 46.8451, 60.6222
YIQ	166.9040, -61.9840, -22.0480

Conversions

Conversions Part 2

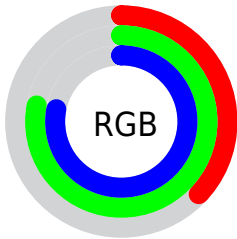
Format	Color
RYB	94, 146, 198
Decimal	6211270
CIELab	74.09, -29.92, -9.20
CIElCh	74, 31.304, 197.100
Yxy	46.8451, 0.2457, 0.3288
Android (android.graphics.Color)	4284401350 (0xFF5EC6C6)
YUV	166.9040, 15.3303, -63.9368
Hunter-Lab	68.4435, -28.4818, -4.6043

Details

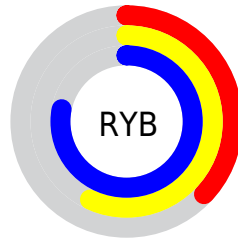
The Yxy color **46.8451, 0.2457, 0.3288** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.8267, 0.4637, 0.3294**, and the grayscale version is **38.5462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **22.1423, 0.2281, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **45.9305, 0.2379, 0.3288**, and if you desaturate by 10%, it is **48.0318, 0.2554, 0.3288**.

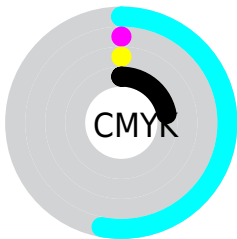
Distribution



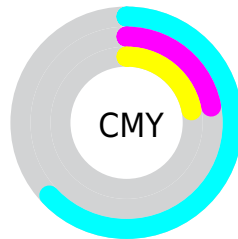
- Red (37%)
- Green (78%)
- Blue (78%)



- Red (37%)
- Yellow (57%)
- Blue (78%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (63%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8451, 0.2457, 0.3288 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 46.8451, 0.2457, 0.3288 by changing the saturation by 10% instead.


 46.8451, 0.2457,
0.3288


 46.8451, 0.2457,
0.3288


374.1959, 0.2785,
0.3297


 32.9132, 0.2378,
0.3283


 85.4824, 0.2574,
0.3293


 22.0600, 0.2277,
0.3276


 110.9565, 0.2619,
0.3294

 13.9010, 0.2147,
0.3264


 141.0469, 0.2657,
0.3295

 8.0518, 0.1971,
0.3244

 176.1379, 0.2690,
0.3296

 4.1281, 0.1721,
0.3203

216.6139, 0.2718,
0.3296

 1.7455, 0.1343,
0.3117

262.8593, 0.2743,

 0.4529, 0.0000,

0.3296

0.2830

315.2585, 0.2765,
0.3297

0.0000, 0.0000,
0.0000

46.8451, 0.2457,
0.3288

46.8451, 0.2457,
0.3288

45.9305, 0.2379,
0.3288

48.0318, 0.2554,
0.3288

45.2616, 0.2319,
0.3288

49.5039, 0.2668,
0.3289

44.8162, 0.2279,
0.3287

51.2803, 0.2797,
0.3289

44.5653, 0.2256,
0.3287

53.3767, 0.2938,
0.3289

44.4651, 0.2247,
0.3287

55.8078, 0.3088,
0.3290

■ 58.5872, 0.3245,
0.3290

■ 61.7281, 0.3405,
0.3291

■ 65.2427, 0.3566,
0.3291

■ 65.7254, 0.3587,
0.3291

Harmonies

Analogous

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



46.8451, 0.2762, 0.3715



46.8451, 0.2457, 0.3288



46.8451, 0.2327, 0.2900

Triad

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



46.8451, 0.2457, 0.3288



46.8451, 0.3027, 0.2681



46.8451, 0.3905, 0.3895

Complementary

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



46.8451, 0.2457, 0.3288



20.8267, 0.4637, 0.3294

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.



46.8451, 0.3999, 0.3584



46.8451, 0.2457, 0.3288



46.8451, 0.3472, 0.2911

Square

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



46.8451, 0.2457, 0.3288



46.8451, 0.2637, 0.2586



46.8451, 0.3838, 0.3232



46.8451, 0.3599, 0.4069

Rectangle

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



46.8451, 0.2457, 0.3288



46.8451, 0.2348, 0.2718



46.8451, 0.3838, 0.3232



46.8451, 0.3964, 0.3801

Sweetspot

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



46.8469, 0.2457, 0.3288



93.0662, 0.2884, 0.3289



43.5786, 0.3049, 0.4952



19.7534, 0.2854, 0.3289



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.



46.8469, 0.2457, 0.3288



81.1380, 0.2369, 0.3288



27.0225, 0.2293, 0.2469



12.0676, 0.2984, 0.3290



28.9168, 0.2247, 0.3287



1.3692, 0.2247, 0.3287

Inverse Universe

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



24.0951, 0.3185, 0.2047



36.5478, 0.3195, 0.1844



33.3782, 0.4230, 0.3967



10.8166, 0.3138, 0.3062



10.4592, 0.3209, 0.1542



0.4952, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 46.8451, 0.2457, 0.3288 looks on a white background.

Color Contrast Check

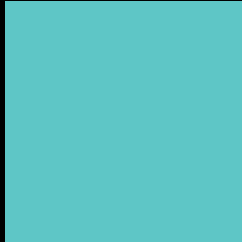
Large Text (above 18pt) WCAG AA × Fail

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 46.8451, 0.2457, 0.3288 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

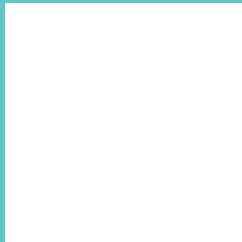
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8451, 0.2457, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 46.8451, 0.2457, 0.3288.

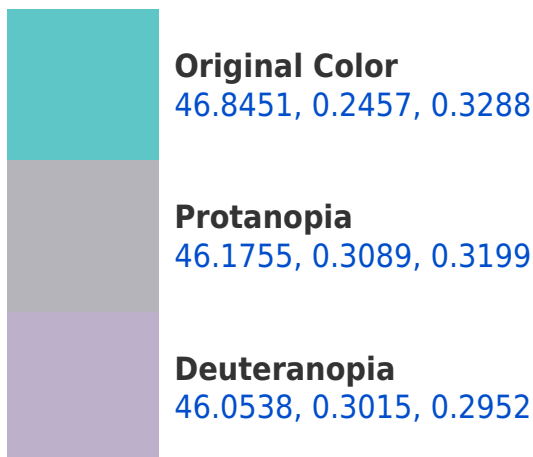


This preview shows how white text looks on a background with the Yxy color 46.8451, 0.2457, 0.3288.

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

46.8860, 0.2402, 0.3063

Trichromacy



Original Color

46.8451, 0.2457, 0.3288



Protanomaly

45.7863, 0.2808, 0.3234



Deuteranomaly

45.3681, 0.2767, 0.3061



Tritanomaly

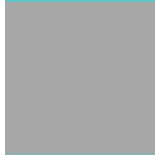
46.9789, 0.2421, 0.3146

Monochromacy



Original Color

46.8451, 0.2457, 0.3288



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.6306, 0.2815, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8451, 0.2457, 0.3288 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(94, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(94, 198, 198)  
}
```

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(94, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 198, 198) }
```

Border

The CSS property to change the border of an element to Yxy 46.8451, 0.2457, 0.3288 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(94, 198, 198) }
```

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

```
.border{ border-color:rgb(94, 198, 198) }
```

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

Here you see how a box with a 4 pixel rgb(94, 198, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(94, 198,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8451, 0.2457, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 198, 198) }
```

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

```
.background{ background-color: rgb(94, 198,  
198) }
```

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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