

Converting Colors

$Y_{xy}(45.7565, 0.2562, 0.3291)$

Have a look what the booklet for
Yxy(45.7565, 0.2562, 0.3291)
contains.

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Color

Yxy(45.8786, 0.2563, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	70C2C1
RGB	112, 194, 193
RGB Percent	44%, 76%, 76%
CMY	0.5607, 0.2392, 0.2432
CMYK	0.42, 0.00, 0.01, 0.24
HSL	179°, 40%, 60%
HSV	179°, 42%, 76%
XYZ	35.6000, 45.8786, 57.4212
YIQ	169.3680, -48.5510, -17.6950

Conversions

Conversions Part 2

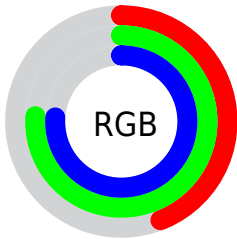
Format	Color
RYB	112, 153, 194
Decimal	7389889
CIELab	73.47, -25.21, -7.33
CIELCh	73, 26.258, 196.214
Yxy	45.8786, 0.2563, 0.3303
Android (android.graphics.Color)	4285579969 (0xFF70C2C1)
YUV	169.3680, 11.6506, -50.3117
Hunter-Lab	67.7337, -24.7167, -2.8494

Details

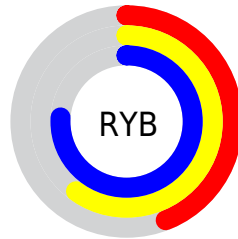
The Yxy color **45.8786, 0.2563, 0.3303** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.2567, 0.4195, 0.3279**, and the grayscale version is **39.8302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1587, 0.2665, 0.3311**, and **21.4618, 0.2403, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **44.7309, 0.2467, 0.3307**, and if you desaturate by 10%, it is **47.3041, 0.2676, 0.3300**.

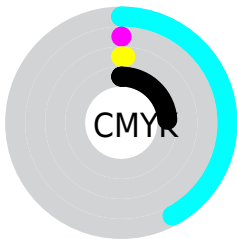
Distribution



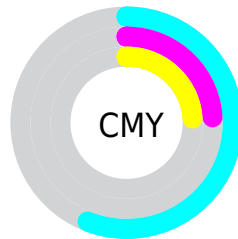
- Red (44%)
- Green (76%)
- Blue (76%)



- Red (44%)
- Yellow (60%)
- Blue (76%)



- Cyan (42%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)





- Cyan (56%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8786, 0.2563, 0.3303 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 45.8786, 0.2563, 0.3303 by changing the saturation by 10% instead.

 45.8786, 0.2563,
0.3303

 45.8786, 0.2563,
0.3303


370.3204, 0.2841,
0.3302

 32.1500, 0.2495,
0.3302


 84.0373, 0.2663,
0.3304

 21.4761, 0.2408,
0.3299


 109.2362, 0.2701,
0.3304

 13.4725, 0.2295,
0.3294


 139.0273, 0.2733,
0.3304

 7.7547, 0.2139,
0.3283

173.7951, 0.2761,
0.3303

 3.9384, 0.1915,
0.3260

213.9239, 0.2785,
0.3303

 1.6392, 0.1567,
0.3205

259.7981, 0.2806,

 0.3838, 0.0000,

0.3303

0.2920

311.8021, 0.2825,
0.3302

0.0000, 0.0000,
0.0000

45.8786, 0.2563,
0.3303

45.8786, 0.2563,
0.3303

44.7309, 0.2467,
0.3307

47.3041, 0.2676,
0.3300

43.8378, 0.2388,
0.3310

49.0182, 0.2804,
0.3296

43.1813, 0.2329,
0.3314


51.0376, 0.2944,
0.3293

42.7385, 0.2289,
0.3318

53.3762, 0.3093,
0.3291

42.4822, 0.2266,
0.3322


56.0471, 0.3247,
0.3288

 42.3722, 0.2257,
0.3325

 59.0626, 0.3405,
0.3286

 62.4344, 0.3564,
0.3284

 63.7806, 0.3621,
0.3282

 63.7915, 0.3619,
0.3280

Harmonies

Analogous

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



45.8786, 0.2830, 0.3655



45.8786, 0.2563, 0.3303



45.8786, 0.2445, 0.2973

Triad

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



45.8786, 0.2563, 0.3303



45.8786, 0.3034, 0.2764



45.8786, 0.3792, 0.3801

Complementary

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



45.8786, 0.2563, 0.3303



24.2567, 0.4195, 0.3279

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.



45.8786, 0.3862, 0.3539



45.8786, 0.2563, 0.3303



45.8786, 0.3409, 0.2960

Square

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



45.8786, 0.2563, 0.3303



45.8786, 0.2703, 0.2688



45.8786, 0.3719, 0.3236



45.8786, 0.3540, 0.3945

Rectangle

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



45.8786, 0.2563, 0.3303



45.8786, 0.2459, 0.2813



45.8786, 0.3719, 0.3236



45.8786, 0.3838, 0.3723

Sweetspot

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



45.8804, 0.2563, 0.3303



92.0930, 0.2930, 0.3294



43.2916, 0.3076, 0.4580



19.9790, 0.2898, 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.



45.8804, 0.2563, 0.3303



81.1223, 0.2470, 0.3307



30.5783, 0.2458, 0.2680



11.4262, 0.2986, 0.3292



27.8588, 0.2257, 0.3325



1.2044, 0.2254, 0.3316

Inverse Universe

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



24.2567, 0.4195, 0.3279



36.6082, 0.4585, 0.3278



34.9821, 0.3972, 0.3823



10.0799, 0.3287, 0.3288



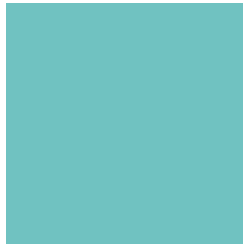
7.5451, 0.6385, 0.3291



0.3267, 0.6327, 0.3259

Previews

White Background



This preview shows how the Yxy color 45.8786, 0.2563, 0.3303 looks on a white background.

Color Contrast Check

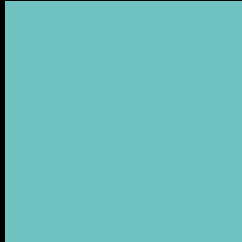
Large Text (above 18pt) WCAG AA × Fail

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 45.8786, 0.2563, 0.3303 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 45.8786, 0.2563, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 45.8786, 0.2563, 0.3303.

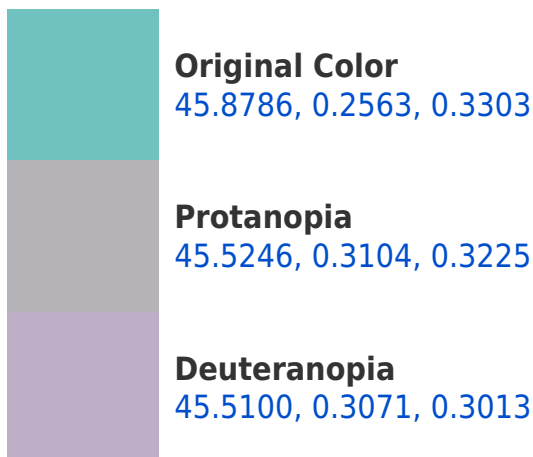


This preview shows how white text looks on a background with the Yxy color 45.8786, 0.2563, 0.3303.

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

45.9173, 0.2502, 0.3078

Trichromacy



Original Color

45.8786, 0.2563, 0.3303

Protanomaly

44.9368, 0.2878, 0.3248

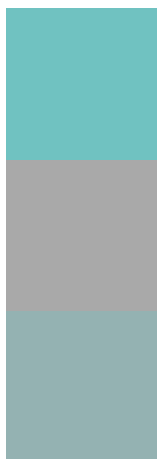
Deuteranomaly

45.0185, 0.2852, 0.3102

Tritanomaly

46.0490, 0.2526, 0.3161

Monochromacy



Original Color

45.8786, 0.2563, 0.3303

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.3510, 0.2877, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8786, 0.2563, 0.3303 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(112, 194, 193)` looks like.

```
.text, #text, p{  
    color:rgb(112, 194, 193)  
}
```

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(112, 194, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 194, 193) }
```

Border

The CSS property to change the border of an element to Yxy 45.8786, 0.2563, 0.3303 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(112, 194, 193) }
```

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

```
.border{ border-color:rgb(112, 194, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 194, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 194, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 194, 193);  
box-shadow:4px 4px 4px 4px rgb(112, 194,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8786, 0.2563, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 194, 193) }
```

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

```
.background{ background-color: rgb(112,  
194, 193) }
```

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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