

Converting Colors

$Yxy(48.4575, 0.2549, 0.3288)$

Have a look what the booklet for
Yxy(48.4575, 0.2549, 0.3288)
contains.

Yxy(48.4811, 0.2546, 0.3288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.4811, 0.2546, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	71C7C7
RGB	113, 199, 199
RGB Percent	44%, 78%, 78%
CMY	0.5570, 0.2196, 0.2195
CMYK	0.43, 0.00, 0.00, 0.22
HSL	180°, 43%, 61%
HSV	180°, 43%, 78%
XYZ	37.5404, 48.4811, 61.4271
YIQ	173.2860, -51.2560, -18.2320

Conversions

Conversions Part 2

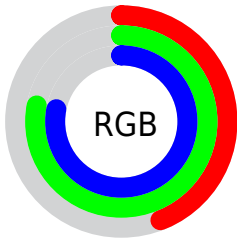
Format	Color
R_{YB}	113, 156, 199
Decimal	7456711
CIE _{Lab}	75.13, -25.94, -8.14
CIE _{LCh}	75, 27.187, 197.427
Yxy	48.4811, 0.2546, 0.3288
Android (android.graphics.Color)	4285646791 (0xFF71C7C7)
YUV	173.2860, 12.6770, -52.8708
Hunter-Lab	69.6284, -25.6107, -3.5666

Details

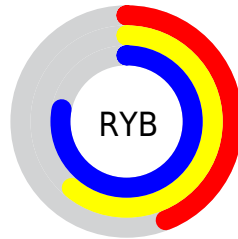
The Yxy color **48.4811, 0.2546, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.1426, 0.4250, 0.3294**, and the grayscale version is **41.8933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **23.1074, 0.2392, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **47.3031, 0.2450, 0.3288**, and if you desaturate by 10%, it is **49.9523, 0.2659, 0.3288**.

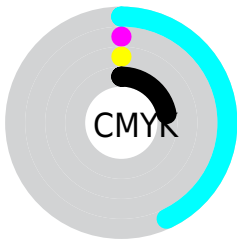
Distribution



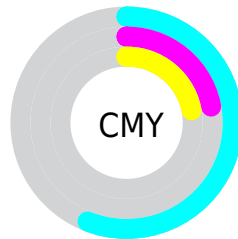
- Red (44%)
- Green (78%)
- Blue (78%)



- Red (44%)
- Yellow (61%)
- Blue (78%)



- Cyan (43%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (56%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4811, 0.2546, 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 48.4811, 0.2546, 0.3288 by changing the saturation by 10% instead.


 48.4811, 0.2546,
0.3288

 48.4811, 0.2546,
0.3288


380.6959, 0.2830,
0.3295


 34.2080, 0.2477,
0.3285


 87.9203, 0.2647,
0.3292

 23.0535, 0.2391,
0.3279


 113.8552, 0.2686,
0.3293

 14.6330, 0.2278,
0.3270


 144.4462, 0.2719,
0.3294

 8.5622, 0.2125,
0.3255

180.0776, 0.2747,
0.3294

 4.4568, 0.1908,
0.3226

221.1339, 0.2772,
0.3294

 1.9322, 0.1578,
0.3162

267.9995, 0.2793,

 0.5676, 0.0000,

0.3295

0.3202

321.0587, 0.2813,
0.3295

0.0000, 0.0000,
0.0000

48.4811, 0.2546,
0.3288

48.4811, 0.2546,
0.3288

47.3031, 0.2450,
0.3288

49.9523, 0.2659,
0.3288

46.3934, 0.2373,
0.3287

51.7284, 0.2787,
0.3289

45.7327, 0.2316,
0.3287


53.8274, 0.2927,
0.3289


45.2960, 0.2276,
0.3287

56.2640, 0.3077,
0.3290


45.0539, 0.2255,
0.3287


59.0524, 0.3233,
0.3290

 44.9636, 0.2246,
0.3287

 62.2057, 0.3393,
0.3291

 65.7364, 0.3554,
0.3291

 66.2510, 0.3576,
0.3292

 66.2530, 0.3576,
0.3292

Harmonies

Analogous

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



48.4811, 0.2811, 0.3648



48.4811, 0.2546, 0.3288



48.4811, 0.2433, 0.2956

Triad

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



48.4811, 0.2546, 0.3288



48.4811, 0.3047, 0.2762



48.4811, 0.3795, 0.3818

Complementary

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



48.4811, 0.2546, 0.3288



25.1426, 0.4250, 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.



48.4811, 0.3875, 0.3554



48.4811, 0.2546, 0.3288



48.4811, 0.3428, 0.2965

Square

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



48.4811, 0.2546, 0.3288



48.4811, 0.2708, 0.2679



48.4811, 0.3739, 0.3247



48.4811, 0.3533, 0.3958

Rectangle

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



48.4811, 0.2546, 0.3288



48.4811, 0.2452, 0.2797



48.4811, 0.3739, 0.3247



48.4811, 0.3845, 0.3740

Sweetspot

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



48.4830, 0.2546, 0.3288



94.2413, 0.2928, 0.3289



45.5583, 0.3065, 0.4621



19.9844, 0.2896, 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.



48.4830, 0.2546, 0.3288



82.8883, 0.2455, 0.3288



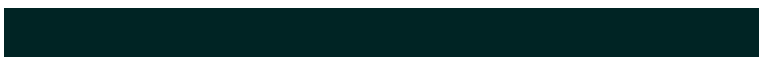
31.4074, 0.2437, 0.2639



12.0672, 0.2984, 0.3290



28.9043, 0.2246, 0.3287



1.3687, 0.2246, 0.3287

Inverse Universe

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



28.0709, 0.3177, 0.2242



42.4956, 0.3186, 0.2042



37.1117, 0.3991, 0.3854



10.8166, 0.3138, 0.3062



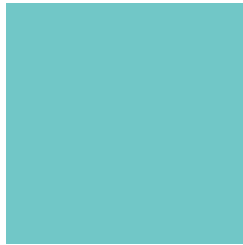
10.4579, 0.3210, 0.1542



0.4952, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 48.4811, 0.2546, 0.3288 looks on a white background.

Color Contrast Check

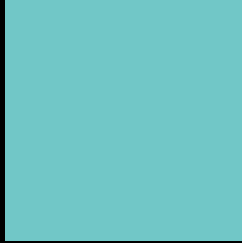
Large Text (above 18pt) WCAG AA × Fail

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 48.4811, 0.2546, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

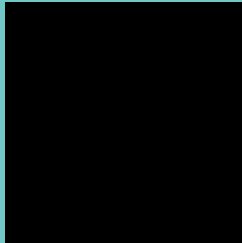
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

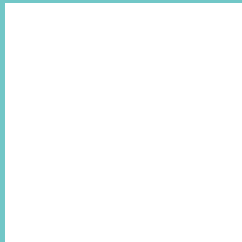
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4811, 0.2546, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 48.4811, 0.2546, 0.3288.

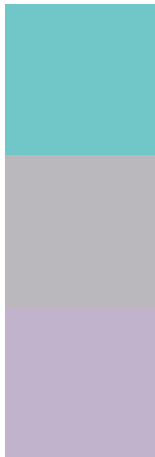


This preview shows how white text looks on a background with the Yxy color 48.4811, 0.2546, 0.3288.

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



Original Color

48.4811, 0.2546, 0.3288

Protanopia

47.9802, 0.3106, 0.3213

Deuteranopia

47.8895, 0.3057, 0.2994



Tritanopia

48.5185, 0.2487, 0.3069

Trichromacy



Original Color

48.4811, 0.2546, 0.3288

Protanomaly

47.6164, 0.2862, 0.3236

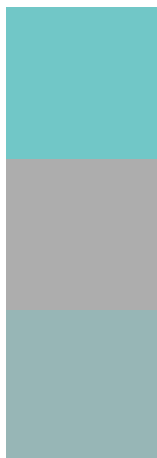
Deuteranomaly

47.2746, 0.2836, 0.3080

Tritanomaly

48.6552, 0.2511, 0.3150

Monochromacy



Original Color

48.4811, 0.2546, 0.3288

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.4126, 0.2874, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4811, 0.2546, 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(113, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(113, 199, 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(113, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 199, 199) }
```

Border

The CSS property to change the border of an element to Yxy 48.4811, 0.2546, 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(113, 199, 199) }
```

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

```
.border{ border-color:rgb(113, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 199, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 199, 199); box-shadow:4px 4px 4px 4px rgb(113, 199, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4811, 0.2546, 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(113, 199, 199) }
```

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

```
.background{ background-color: rgb(113,  
199, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor