

Converting Colors

$Y_{xy}(48.7752, 0.2571, 0.3200)$

Have a look what the booklet for
Yxy(48.7752, 0.2571, 0.3200)
contains.

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Color

Yxy(48.9588, 0.2571, 0.3206)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7BC6CC |
| RGB | 123, 198, 204 |
| RGB Percent | 48%, 78%, 80% |
| CMY | 0.5175, 0.2235, 0.2001 |
| CMYK | 0.40, 0.03, 0.00, 0.20 |
| HSL | 184°, 44%, 64% |
| HSV | 184°, 40%, 80% |
| XYZ | 39.2617, 48.9588, 64.4894 |
| YIQ | 176.2590, -46.6260, -14.0340 |

Conversions

Conversions Part 2

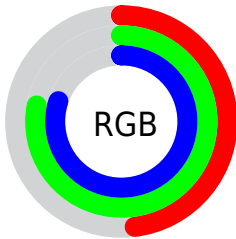
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 123, 162, 204 |
| Decimal | 8111820 |
| CIE Lab | 75.43, -21.70, -10.33 |
| CIE LCh | 75, 24.034, 205.454 |
| Yxy | 48.9588, 0.2571, 0.3206 |
| Android (android.graphics.Color) | 4286301900 (0xFF7BC6CC) |
| YUV | 176.2590, 13.6763, -46.7081 |
| Hunter-Lab | 69.9706, -22.2890, -5.6661 |

Details

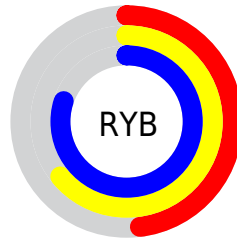
The Yxy color **48.9588, 0.2571, 0.3206** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.9652, 0.4085, 0.3370**, and the grayscale version is **43.5073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **23.3775, 0.2425, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **46.9250, 0.2461, 0.3182**, and if you desaturate by 10%, it is **51.3167, 0.2696, 0.3229**.

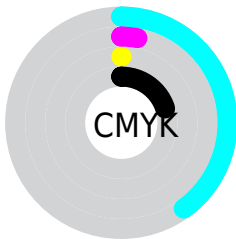
Distribution



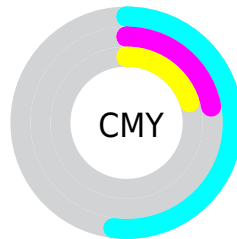
- Red (48%)
- Green (78%)
- Blue (80%)



- Red (48%)
- Yellow (64%)
- Blue (80%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)




- Cyan (52%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9588, 0.2571, 0.3206 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 48.9588, 0.2571, 0.3206 by changing the saturation by 10% instead.


 48.9588, 0.2571,
0.3206


 48.9588, 0.2571,
0.3206


382.5801, 0.2842,
0.3253

 34.5868, 0.2506,
0.3193


 88.6303, 0.2668,
0.3224

 23.3448, 0.2423,
0.3175


 114.6985, 0.2704,
0.3231

 14.8483, 0.2316,
0.3150


 145.4343, 0.2736,
0.3236

 8.7130, 0.2172,
0.3112

181.2220, 0.2763,
0.3241

 4.5544, 0.1966,
0.3051

222.4461, 0.2786,
0.3245

 1.9883, 0.1655,
0.2941

269.4908, 0.2807,

 0.6007, 0.0198,

0.3248

0.2889

322.7407, 0.2825,
0.3251

0.0000, 0.0000,
0.0000

48.9588, 0.2571,
0.3206

48.9588, 0.2571,
0.3206

46.9250, 0.2461,
0.3182

51.3167, 0.2696,
0.3229

45.1899, 0.2369,
0.3157

54.0108, 0.2833,
0.3251

43.7335, 0.2295,
0.3132

57.0597, 0.2979,
0.3272

42.5311, 0.2240,
0.3107

60.4789, 0.3132,
0.3291

41.5532, 0.2204,
0.3082

64.2829, 0.3289,
0.3308

■ 40.7469, 0.2183,
0.3057

■ 68.4854, 0.3446,
0.3323

■ 40.7221, 0.2182,
0.3056

■ 70.9910, 0.3518,
0.3338

■ 71.7306, 0.3515,
0.3353

■ 72.4772, 0.3512,
0.3369

Harmonies

Analogous

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



48.9588, 0.2775, 0.3525



48.9588, 0.2571, 0.3206



48.9588, 0.2509, 0.2934

Triad

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



48.9588, 0.2571, 0.3206



48.9588, 0.3148, 0.2859



48.9588, 0.3669, 0.3805

Complementary

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



48.9588, 0.2571, 0.3206



29.9652, 0.4085, 0.3370

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.



48.9588, 0.3785, 0.3596



48.9588, 0.2571, 0.3206



48.9588, 0.3477, 0.3064

Square

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



48.9588, 0.2571, 0.3206



48.9588, 0.2829, 0.2754



48.9588, 0.3715, 0.3328



48.9588, 0.3407, 0.3882

Rectangle

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



48.9588, 0.2571, 0.3206



48.9588, 0.2554, 0.2815



48.9588, 0.3715, 0.3328



48.9588, 0.3727, 0.3746

Sweetspot

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



48.9607, 0.2571, 0.3206



93.2196, 0.2942, 0.3267



48.9558, 0.3038, 0.4415



19.8066, 0.2923, 0.3264



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.



48.9607, 0.2571, 0.3206



78.0682, 0.2472, 0.3184



33.0613, 0.2481, 0.2619



12.5799, 0.2984, 0.3272



25.6983, 0.2183, 0.3060



1.3690, 0.2197, 0.3108

Inverse Universe

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



31.0844, 0.3233, 0.2383



44.5778, 0.3260, 0.2195



42.6023, 0.3878, 0.3874



11.3889, 0.3149, 0.3078



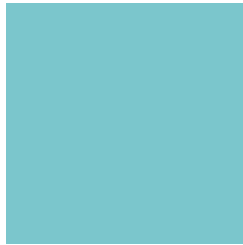
10.3973, 0.3402, 0.1648



0.5407, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 48.9588, 0.2571, 0.3206 looks on a white background.

Color Contrast Check

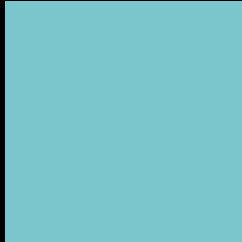
Large Text (above 18pt) WCAG AA × Fail

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 48.9588, 0.2571, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

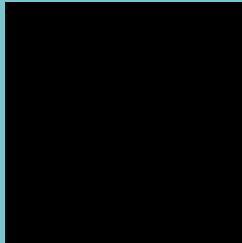
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9588, 0.2571, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 48.9588, 0.2571, 0.3206.

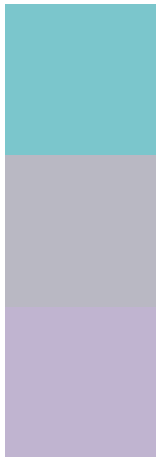


This preview shows how white text looks on a background with the Yxy color 48.9588, 0.2571, 0.3206.

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

48.9588, 0.2571, 0.3206

Protanopia

48.5354, 0.3051, 0.3151

Deuteranopia

48.4031, 0.3010, 0.2947



Tritanopia

49.0966, 0.2530, 0.3072

Trichromacy



Original Color

48.9588, 0.2571, 0.3206

Protanomaly

48.1538, 0.2850, 0.3170

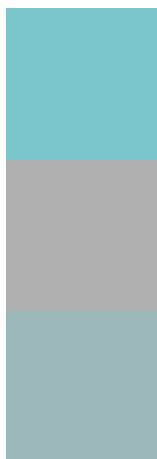
Deuteranomaly

48.2611, 0.2825, 0.3031

Tritanomaly

48.8707, 0.2541, 0.3111

Monochromacy



Original Color

48.9588, 0.2571, 0.3206

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.9942, 0.2893, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9588, 0.2571, 0.3206 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(123, 198, 204)` looks like.

```
.text, #text, p{  
    color:rgb(123, 198, 204)  
}
```

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(123, 198, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 198, 204) }
```

Border

The CSS property to change the border of an element to Yxy 48.9588, 0.2571, 0.3206 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(123, 198, 204) }
```

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

```
.border{ border-color:rgb(123, 198, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 198, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 198, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 198, 204);  
box-shadow:4px 4px 4px 4px rgb(123, 198,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9588, 0.2571, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 198, 204) }
```

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

```
.background{ background-color: rgb(123,  
198, 204) }
```

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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