

Converting Colors

$Yxy(50.8949, 0.2683, 0.3544)$

Have a look what the booklet for
Yxy(50.8949, 0.2683, 0.3544)
contains.

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Color

Yxy(50.8685, 0.2680, 0.3542)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7ACCBA |
| RGB | 122, 204, 186 |
| RGB Percent | 48%, 80%, 73% |
| CMY | 0.5214, 0.2000, 0.2705 |
| CMYK | 0.40, 0.00, 0.09, 0.20 |
| HSL | 167°, 45%, 64% |
| HSV | 167°, 40%, 80% |
| XYZ | 38.4889, 50.8685, 54.2578 |
| YIQ | 177.4300, -43.0940, -22.9820 |

Conversions

Conversions Part 2

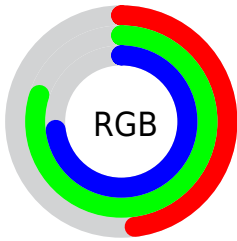
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 122, 168, 204 |
| Decimal | 8047802 |
| CIELab | 76.60, -29.22, 1.09 |
| CIELCh | 77, 29.240, 177.859 |
| Yxy | 50.8685, 0.2680, 0.3542 |
| Android (android.graphics.Color) | 4286237882 (0xFF7ACCBA) |
| YUV | 177.4300, 4.2250, -48.6121 |
| Hunter-Lab | 71.3222, -28.4866, 4.8211 |

Details

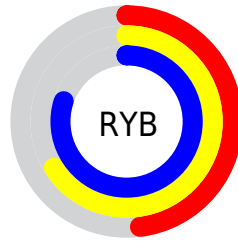
The Yxy color **50.8685, 0.2680, 0.3542** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.6620, 0.3907, 0.3059**, and the grayscale version is **44.2061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3958, 0.2754, 0.3431**, and **24.3816, 0.2556, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **49.3464, 0.2597, 0.3617**, and if you desaturate by 10%, it is **52.7132, 0.2777, 0.3472**.

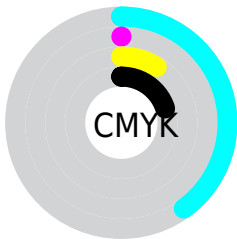
Distribution



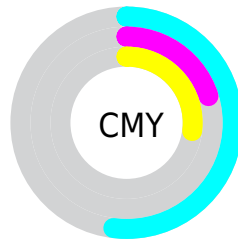
- Red (48%)
- Green (80%)
- Blue (73%)



- Red (48%)
- Yellow (66%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)



- Cyan (52%)
- Magenta (20%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8685, 0.2680, 0.3542 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 50.8685, 0.2680, 0.3542 by changing the saturation by 10% instead.


 50.8685, 0.2680,
0.3542

 50.8685, 0.2680,
0.3542


390.0527, 0.2900,
0.3418

 36.1040, 0.2626,
0.3573


 91.4604, 0.2759,
0.3497

 24.5145, 0.2558,
0.3612


 118.0565, 0.2789,
0.3480

 15.7157, 0.2469,
0.3663


 149.3653, 0.2814,
0.3466

 9.3232, 0.2346,
0.3734


185.7711, 0.2836,
0.3453

 4.9526, 0.2168,
0.3837

227.6583, 0.2855,
0.3443

 2.2195, 0.1890,
0.4002

275.4114, 0.2872,

 0.7306, 0.0000,

0.3433

0.5040

329.4147, 0.2887,
0.3425

0.0000, 0.0000,
0.0000

50.8685, 0.2680,
0.3542

50.8685, 0.2680,
0.3542

49.3464, 0.2597,
0.3617

52.7132, 0.2777,
0.3472

48.1210, 0.2530,
0.3694

54.8925, 0.2886,
0.3406

47.1723, 0.2481,
0.3774

57.4251, 0.3003,
0.3346


46.4754, 0.2452,
0.3855

60.3264, 0.3125,
0.3291

46.0004, 0.2443,
0.3935


63.6113, 0.3250,
0.3242

 45.6954, 0.2448,
0.4014

 67.2934, 0.3376,
0.3198

 69.4704, 0.3424,
0.3155

 69.7068, 0.3391,
0.3110

 69.9496, 0.3357,
0.3066

Harmonies

Analogous

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



50.8685, 0.3034, 0.3869



50.8685, 0.2680, 0.3542



50.8685, 0.2452, 0.3154

Triad

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



50.8685, 0.2680, 0.3542



50.8685, 0.2797, 0.2660



50.8685, 0.3915, 0.3673

Complementary

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



50.8685, 0.2680, 0.3542



28.6620, 0.3907, 0.3059

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.



50.8685, 0.3850, 0.3356



50.8685, 0.2680, 0.3542



50.8685, 0.3182, 0.2795

Square

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



50.8685, 0.2680, 0.3542



50.8685, 0.2517, 0.2670



50.8685, 0.3575, 0.3043



50.8685, 0.3755, 0.3918

Rectangle

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



50.8685, 0.2680, 0.3542



50.8685, 0.2394, 0.2930



50.8685, 0.3575, 0.3043



50.8685, 0.3920, 0.3571

Sweetspot

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



50.8705, 0.2680, 0.3542



94.2266, 0.2979, 0.3357



50.2671, 0.3207, 0.4464



20.0456, 0.2963, 0.3365



0.0000, 0.0000, 0.0000



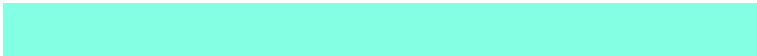
21.4041, 0.3127, 0.3290

Same Dimension

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



50.8705, 0.2680, 0.3542



82.0844, 0.2608, 0.3605



42.0149, 0.2530, 0.2979



12.6833, 0.3012, 0.3341



28.7774, 0.2445, 0.4003



1.4953, 0.2402, 0.3846

Inverse Universe

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



28.6620, 0.3907, 0.3059



40.4442, 0.4164, 0.3014



34.1598, 0.4017, 0.3576



11.2533, 0.3256, 0.3239



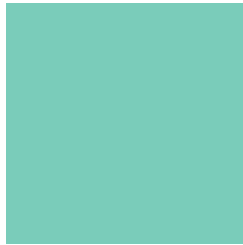
8.2095, 0.6004, 0.3081



0.4352, 0.5444, 0.2773

Previews

White Background



This preview shows how the Yxy color 50.8685, 0.2680, 0.3542 looks on a white background.

Color Contrast Check

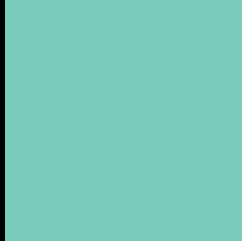
Large Text (above 18pt) WCAG AA × Fail

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 50.8685, 0.2680, 0.3542 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

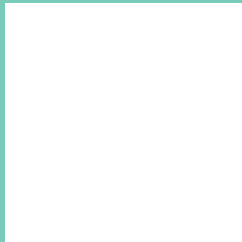
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8685, 0.2680, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 50.8685, 0.2680, 0.3542.



This preview shows how white text looks on a background with the Yxy color 50.8685, 0.2680, 0.3542.

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

50.8685, 0.2680, 0.3542

Protanopia

50.1843, 0.3265, 0.3416

Deuteranopia

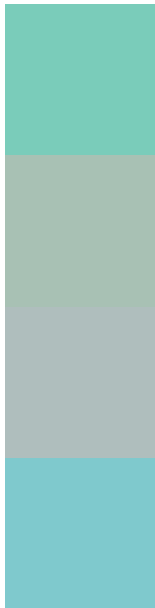
50.1966, 0.3252, 0.3181



Tritanopia

51.0122, 0.2548, 0.3076

Trichromacy



Original Color

50.8685, 0.2680, 0.3542

Protanomaly

49.7600, 0.3024, 0.3463

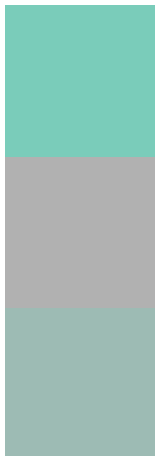
Deuteranomaly

49.6150, 0.3014, 0.3303

Tritanomaly

50.6931, 0.2594, 0.3234

Monochromacy



Original Color

50.8685, 0.2680, 0.3542

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

46.0040, 0.2938, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8685, 0.2680, 0.3542 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(122, 204, 186)` looks like.

```
.text, #text, p{  
    color:rgb(122, 204, 186)  
}
```

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(122, 204, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 204, 186) }
```

Border

The CSS property to change the border of an element to Yxy 50.8685, 0.2680, 0.3542 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(122, 204, 186) }
```

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

```
.border{ border-color:rgb(122, 204, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 204, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 204, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 204, 186); box-shadow:4px 4px 4px 4px rgb(122, 204, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8685, 0.2680, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 204, 186) }
```

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

```
.background{ background-color: rgb(122,  
204, 186) }
```

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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