

Converting Colors

Yxy(51.8987, 0.2564, 0.3170)

Have a look what the booklet for
Yxy(51.8987, 0.2564, 0.3170)
contains.

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Color

Yxy(52.0545, 0.2565, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	80CBD4
RGB	128, 203, 212
RGB Percent	50%, 80%, 83%
CMY	0.4979, 0.2039, 0.1686
CMYK	0.40, 0.04, 0.00, 0.17
HSL	186°, 49%, 67%
HSV	186°, 40%, 83%
XYZ	42.1464, 52.0545, 70.1125
YIQ	181.6010, -47.5890, -13.1010

Conversions

Conversions Part 2

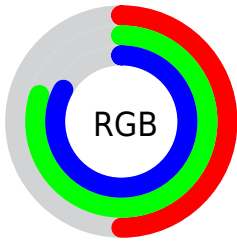
Format	Color
RYB	128, 168, 212
Decimal	8440788
CIELab	77.31, -20.93, -11.82
CIElCh	77, 24.040, 209.454
Yxy	52.0545, 0.2565, 0.3168
Android (android.graphics.Color)	4286630868 (0xFF80CBD4)
YUV	181.6010, 14.9867, -47.0081
Hunter-Lab	72.1488, -21.9880, -7.1125

Details

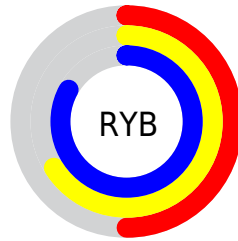
The Yxy color **52.0545, 0.2565, 0.3168** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.4625, 0.4071, 0.3406**, and the grayscale version is **46.4937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **25.3069, 0.2421, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **49.5140, 0.2452, 0.3132**, and if you desaturate by 10%, it is **54.9583, 0.2693, 0.3202**.

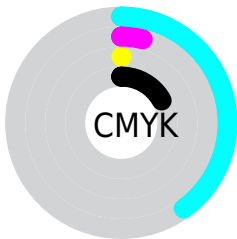
Distribution



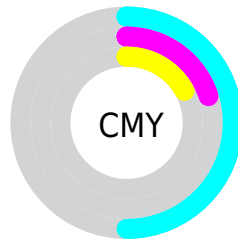
- Red (50%)
- Green (80%)
- Blue (83%)



- Red (50%)
- Yellow (66%)
- Blue (83%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)




- Cyan (50%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0545, 0.2565, 0.3168 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 52.0545, 0.2565, 0.3168 by changing the saturation by 10% instead.


 52.0545, 0.2565,
0.3168


 52.0545, 0.2565,
0.3168


394.6470, 0.2836,
0.3234


 37.0485, 0.2501,
0.3150


 93.2116, 0.2661,
0.3193

 25.2451, 0.2420,
0.3127


 120.1315, 0.2698,
0.3202

 16.2597, 0.2316,
0.3096

 151.7915, 0.2729,
0.3209

 9.7081, 0.2177,
0.3050

188.5761, 0.2756,
0.3216

 5.2059, 0.1982,
0.2979

230.8695, 0.2780,
0.3221

 2.3686, 0.1692,
0.2856

279.0562, 0.2801,

 0.8096, 0.0866,

0.3226

0.2713

333.5205, 0.2819,
0.3230

0.0000, 0.0000,
0.0000

52.0545, 0.2565,
0.3168

52.0545, 0.2565,
0.3168

49.5140, 0.2452,
0.3132

54.9583, 0.2693,
0.3202

47.3091, 0.2355,
0.3096

58.2390, 0.2832,
0.3234

45.4177, 0.2277,
0.3059

61.9169, 0.2980,
0.3264

43.8125, 0.2218,
0.3021

66.0091, 0.3133,
0.3291

42.4610, 0.2177,
0.2984

70.5317, 0.3289,
0.3316

■ 41.3071, 0.2153,
0.2947

■ 75.4527, 0.3444,
0.3338

■ 41.2624, 0.2152,
0.2946

■ 76.6303, 0.3440,
0.3361

■ 77.8241, 0.3436,
0.3384

■ 79.0342, 0.3432,
0.3406

Harmonies

Analogous

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



52.0545, 0.2749, 0.3479



52.0545, 0.2565, 0.3168



52.0545, 0.2525, 0.2914

Triad

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



52.0545, 0.2565, 0.3168



52.0545, 0.3192, 0.2889



52.0545, 0.3631, 0.3814

Complementary

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



52.0545, 0.2565, 0.3168



33.4625, 0.4071, 0.3406

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.



52.0545, 0.3767, 0.3623



52.0545, 0.2565, 0.3168



52.0545, 0.3508, 0.3101

Square

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



52.0545, 0.2565, 0.3168



52.0545, 0.2873, 0.2771



52.0545, 0.3723, 0.3364



52.0545, 0.3361, 0.3867

Rectangle

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



52.0545, 0.2565, 0.3168



52.0545, 0.2582, 0.2807



52.0545, 0.3723, 0.3364



52.0545, 0.3694, 0.3762

Sweetspot

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



52.0565, 0.2565, 0.3168



92.5753, 0.2942, 0.3256



53.4700, 0.3021, 0.4375



19.6539, 0.2922, 0.3253



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.



52.0565, 0.2565, 0.3168



75.6029, 0.2463, 0.3136



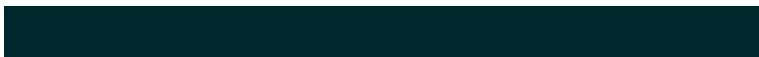
35.0562, 0.2474, 0.2578



13.8697, 0.2983, 0.3264



25.5626, 0.2153, 0.2951



1.6085, 0.2171, 0.3015

Inverse Universe

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



33.7594, 0.3261, 0.2411



44.3289, 0.3297, 0.2229



47.5645, 0.3865, 0.3906



12.6087, 0.3154, 0.3084



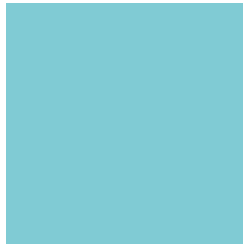
10.9254, 0.3497, 0.1700



0.6657, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 52.0545, 0.2565, 0.3168 looks on a white background.

Color Contrast Check

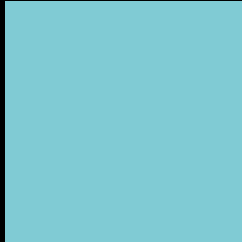
Large Text (above 18pt) WCAG AA × Fail

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 52.0545, 0.2565, 0.3168 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 52.0545, 0.2565, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 52.0545, 0.2565, 0.3168.



This preview shows how white text looks on a background with the Yxy color 52.0545, 0.2565, 0.3168.

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

52.0545, 0.2565, 0.3168

Protanopia

51.6541, 0.3030, 0.3118

Deuteranopia

51.3916, 0.2983, 0.2920



Tritanopia

52.0488, 0.2541, 0.3077

Trichromacy



Original Color

52.0545, 0.2565, 0.3168

Protanomaly

51.2553, 0.2837, 0.3136

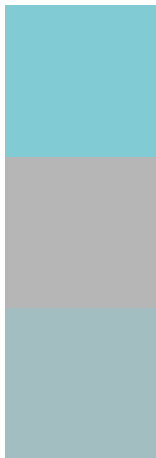
Deuteranomaly

51.2635, 0.2804, 0.3001

Tritanomaly

51.8661, 0.2546, 0.3103

Monochromacy



Original Color

52.0545, 0.2565, 0.3168

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.3585, 0.2885, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0545, 0.2565, 0.3168 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(128, 203, 212)` looks like.

```
.text, #text, p{  
    color:rgb(128, 203, 212)  
}
```

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(128, 203, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 203, 212) }
```

Border

The CSS property to change the border of an element to Yxy 52.0545, 0.2565, 0.3168 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(128, 203, 212) }
```

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

```
.border{ border-color:rgb(128, 203, 212) }
```

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

Here you see how a box with a 4 pixel rgb(128, 203, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 203, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 203, 212);  
box-shadow:4px 4px 4px 4px rgb(128, 203,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0545, 0.2565, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 203, 212) }
```

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

```
.background{ background-color: rgb(128,  
203, 212) }
```

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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