

Converting Colors

$Y_{xy}(45.3129, 0.2352, 0.3132)$

Have a look what the booklet for
Yxy(45.3129, 0.2352, 0.3132)
contains.

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Color

Yxy(45.1919, 0.2351, 0.3128)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 50C3CE |
| RGB | 80, 195, 206 |
| RGB Percent | 31%, 76%, 81% |
| CMY | 0.6860, 0.2353, 0.1922 |
| CMYK | 0.61, 0.05, 0.00, 0.19 |
| HSL | 185°, 56%, 56% |
| HSV | 185°, 61%, 81% |
| XYZ | 33.9662, 45.1919, 65.3173 |
| YIQ | 161.8690, -72.0710, -20.9590 |

Conversions

Conversions Part 2

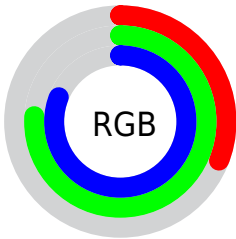
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 80, 140, 206 |
| Decimal | 5293006 |
| CIELab | 73.02, -28.88, -15.20 |
| CIELCh | 73, 32.634, 207.753 |
| Yxy | 45.1919, 0.2351, 0.3128 |
| Android (android.graphics.Color) | 4283483086 (0xFF50C3CE) |
| YUV | 161.8690, 21.7566, -71.7991 |
| Hunter-Lab | 67.2249, -27.4544, -10.5501 |

Details

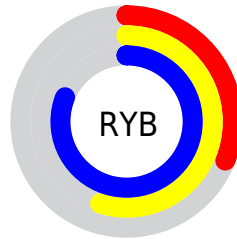
The Yxy color **45.1919, 0.2351, 0.3128** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.1912, 0.4950, 0.3423**, and the grayscale version is **35.9961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2522, 0.3254**, and **21.3168, 0.2185, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **43.6287, 0.2278, 0.3098**, and if you desaturate by 10%, it is **47.0431, 0.2443, 0.3158**.

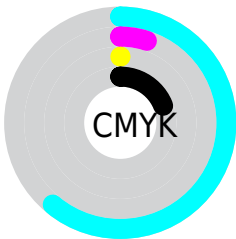
Distribution



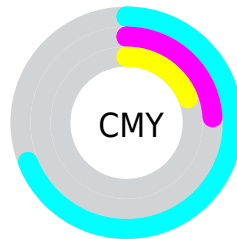
- Red (31%)
- Green (76%)
- Blue (81%)



- Red (31%)
- Yellow (55%)
- Blue (81%)



- Cyan (61%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)





- Cyan (69%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1919, 0.2351, 0.3128 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 45.1919, 0.2351, 0.3128 by changing the saturation by 10% instead.

 45.1919, 0.2351,
0.3128


 45.1919, 0.2351,
0.3128


367.5502, 0.2730,
0.3220

 31.6086, 0.2260,
0.3102


 83.0083, 0.2486,
0.3164


 21.0627, 0.2145,
0.3066


 108.0102, 0.2538,
0.3177

 13.1699, 0.1997,
0.3016


 137.5871, 0.2581,
0.3187

 7.5456, 0.1799,
0.2941

 172.1234, 0.2619,
0.3196

 3.8056, 0.1523,
0.2820

212.0034, 0.2652,
0.3203

 1.5654, 0.1107,
0.2606

257.6116, 0.2681,

 0.3341, 0.0000,

0.3210

0.1818

309.3324, 0.2707,
0.3215

0.0000, 0.0000,
0.0000

45.1919, 0.2351,
0.3128

45.1919, 0.2351,
0.3128

43.6287, 0.2278,
0.3098

47.0431, 0.2443,
0.3158

42.3223, 0.2225,
0.3068

49.1998, 0.2551,
0.3187

41.2433, 0.2190,
0.3038

51.6843, 0.2675,
0.3214

40.4272, 0.2170,
0.3012

54.5152, 0.2812,
0.3241

57.7096, 0.2957,
0.3265

61.2836, 0.3110,
0.3288

65.2521, 0.3266,
0.3308

69.6295, 0.3422,
0.3327

72.3928, 0.3498,
0.3344

Harmonies

Analogous

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



45.1919, 0.2610, 0.3584



45.1919, 0.2351, 0.3128



45.1919, 0.2287, 0.2766

Triad

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



45.1919, 0.2351, 0.3128



45.1919, 0.3187, 0.2722



45.1919, 0.3853, 0.4013

Complementary

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



45.1919, 0.2351, 0.3128



21.1912, 0.4950, 0.3423

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.



45.1919, 0.4042, 0.3722



45.1919, 0.2351, 0.3128



45.1919, 0.3645, 0.3003

Square

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



45.1919, 0.2351, 0.3128



45.1919, 0.2742, 0.2568



45.1919, 0.3968, 0.3358



45.1919, 0.3473, 0.4125

Rectangle

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



45.1919, 0.2351, 0.3128



45.1919, 0.2357, 0.2619



45.1919, 0.3968, 0.3358



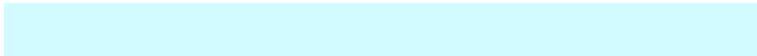
45.1919, 0.3942, 0.3931

Sweetspot

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



45.1936, 0.2351, 0.3128



89.7807, 0.2853, 0.3248



46.5931, 0.2988, 0.5109



18.9039, 0.2811, 0.3240



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.



45.1936, 0.2351, 0.3128



70.0690, 0.2262, 0.3090



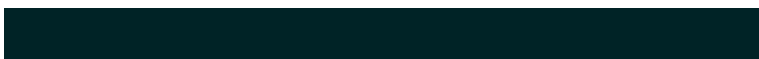
22.8108, 0.2125, 0.2128



12.5530, 0.2983, 0.3269



24.9690, 0.2171, 0.3017



1.3384, 0.2187, 0.3074

Inverse Universe

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



22.8066, 0.3319, 0.1983



31.7153, 0.3364, 0.1811



36.6531, 0.4377, 0.4180



11.3862, 0.3151, 0.3081



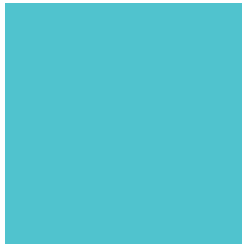
10.3236, 0.3440, 0.1668



0.5377, 0.3389, 0.1641

Previews

White Background



This preview shows how the Yxy color 45.1919, 0.2351, 0.3128 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 45.1919, 0.2351, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

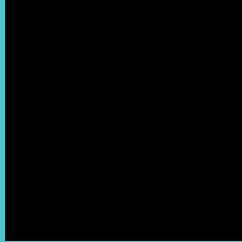
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

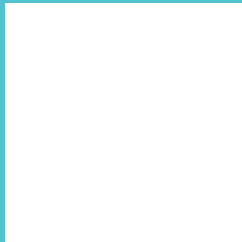
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1919, 0.2351, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 45.1919, 0.2351, 0.3128.

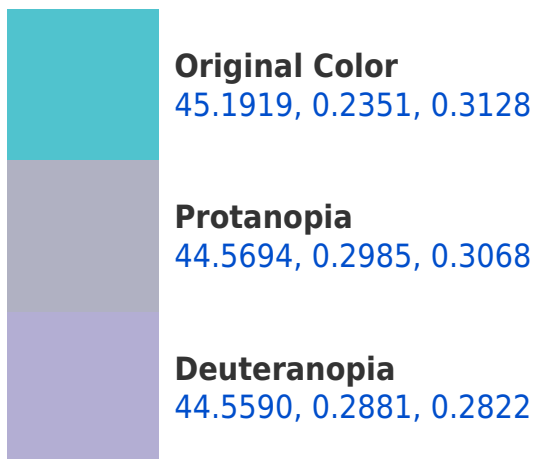


This preview shows how white text looks on a background with the Yxy color 45.1919, 0.2351, 0.3128.

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

45.0306, 0.2336, 0.3057

Trichromacy



Original Color

45.1919, 0.2351, 0.3128

Protanomaly

44.0209, 0.2694, 0.3095

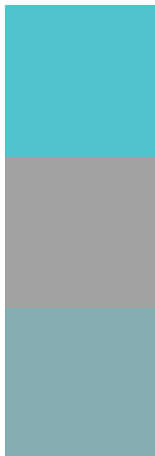
Deuteranomaly

43.8990, 0.2635, 0.2923

Tritanomaly

44.9364, 0.2337, 0.3071

Monochromacy



Original Color

45.1919, 0.2351, 0.3128

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.3920, 0.2749, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1919, 0.2351, 0.3128 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(80, 195, 206)` looks like.

```
.text, #text, p{  
    color:rgb(80, 195, 206)  
}
```

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(80, 195, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 195, 206) }
```

Border

The CSS property to change the border of an element to Yxy 45.1919, 0.2351, 0.3128 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(80, 195, 206) }
```

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

```
.border{ border-color:rgb(80, 195, 206) }
```

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

Here you see how a box with a 4 pixel rgb(80, 195, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 195, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 195, 206);  
box-shadow:4px 4px 4px 4px rgb(80, 195,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1919, 0.2351, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 195, 206) }
```

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

```
.background{ background-color: rgb(80, 195,  
206) }
```

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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