

Converting Colors

$Y_{xy}(44.8592, 0.2385, 0.3229)$

Have a look what the booklet for
Yxy(44.8592, 0.2385, 0.3229)
contains.

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Color

Yxy(44.8592, 0.2385, 0.3229)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 50C3C7 |
| RGB | 80, 195, 199 |
| RGB Percent | 31%, 76%, 78% |
| CMY | 0.6860, 0.2353, 0.2197 |
| CMYK | 0.60, 0.02, 0.00, 0.22 |
| HSL | 182°, 51%, 55% |
| HSV | 182°, 60%, 78% |
| XYZ | 33.1338, 44.8592, 60.9329 |
| YIQ | 161.0710, -69.8240, -23.1360 |

Conversions

Conversions Part 2

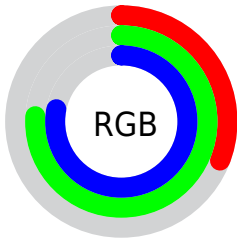
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 80, 138, 199 |
| Decimal | 5292999 |
| CIE Lab | 72.80, -30.86, -11.71 |
| CIE LCh | 73, 33.006, 200.784 |
| Yxy | 44.8592, 0.2385, 0.3229 |
| Android (android.graphics.Color) | 4283483079 (0xFF50C3C7) |
| YUV | 161.0710, 18.6990, -71.0993 |
| Hunter-Lab | 66.9770, -28.9050, -7.0557 |

Details

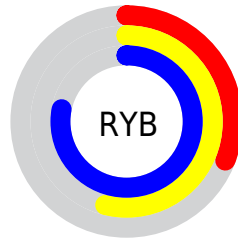
The Yxy color **44.8592, 0.2385, 0.3229** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.0672, 0.4939, 0.3343**, and the grayscale version is **35.6188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5035, 0.2518, 0.3254**, and **21.0941, 0.2224, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **43.8206, 0.2316, 0.3218**, and if you desaturate by 10%, it is **46.1590, 0.2473, 0.3240**.

Distribution



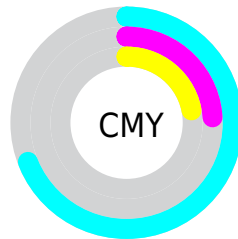
- Red (31%)
- Green (76%)
- Blue (78%)



- Red (31%)
- Yellow (54%)
- Blue (78%)



- Cyan (60%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)





- Cyan (69%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8592, 0.2385, 0.3229 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 44.8592, 0.2385, 0.3229 by changing the saturation by 10% instead.


 44.8592, 0.2385,
0.3229


 44.8592, 0.2385,
0.3229


366.2030, 0.2749,
0.3270

 31.3465, 0.2297,
0.3216


 82.5091, 0.2515,
0.3246


 20.8629, 0.2185,
0.3197


 107.4151, 0.2565,
0.3252

 13.0238, 0.2041,
0.3169


 136.8877, 0.2607,
0.3256

 7.4449, 0.1845,
0.3125

 171.3112, 0.2643,
0.3260

 3.7419, 0.1570,
0.3047

211.0702, 0.2675,
0.3263

 1.5302, 0.1126,
0.2904

256.5488, 0.2703,

 0.3099, 0.0000,

0.3266

0.2095

308.1316, 0.2727,
0.3268

0.0000, 0.0000,
0.0000

44.8592, 0.2385,
0.3229

44.8592, 0.2385,
0.3229

43.8206, 0.2316,
0.3218

46.1590, 0.2473,
0.3240

43.0147, 0.2267,
0.3207

47.7355, 0.2578,
0.3251

42.4156, 0.2236,
0.3196

49.6087, 0.2699,
0.3262

41.9721, 0.2218,
0.3185

51.7957, 0.2833,
0.3272

41.9622, 0.2218,
0.3185

54.3119, 0.2978,
0.3281

■ 57.1720, 0.3131,
0.3290

■ 60.3897, 0.3288,
0.3298

■ 63.9778, 0.3447,
0.3306

■ 67.1539, 0.3572,
0.3312

Harmonies

Analogous

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



44.8592, 0.2688, 0.3693



44.8592, 0.2385, 0.3229



44.8592, 0.2273, 0.2830

Triad

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



44.8592, 0.2385, 0.3229



44.8592, 0.3076, 0.2666



44.8592, 0.3928, 0.3966

Complementary

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



44.8592, 0.2385, 0.3229



19.0672, 0.4939, 0.3343

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.



44.8592, 0.4062, 0.3645



44.8592, 0.2385, 0.3229



44.8592, 0.3551, 0.2924

Square

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



44.8592, 0.2385, 0.3229



44.8592, 0.2648, 0.2545



44.8592, 0.3923, 0.3271



44.8592, 0.3578, 0.4132

Rectangle

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



44.8592, 0.2385, 0.3229



44.8592, 0.2312, 0.2652



44.8592, 0.3923, 0.3271



44.8592, 0.4001, 0.3870

Sweetspot

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



44.8609, 0.2385, 0.3229



91.3333, 0.2854, 0.3273



43.1869, 0.3019, 0.5147



19.2890, 0.2813, 0.3270



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.



44.8609, 0.2385, 0.3229



76.2352, 0.2298, 0.3214



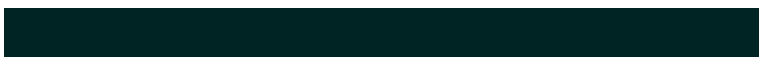
23.3149, 0.2171, 0.2263



12.0043, 0.2984, 0.3282



27.0152, 0.2218, 0.3186



1.2987, 0.2225, 0.3209

Inverse Universe

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



21.8262, 0.3238, 0.1948



32.6479, 0.3260, 0.1757



32.5108, 0.4392, 0.4092



10.8103, 0.3143, 0.3070



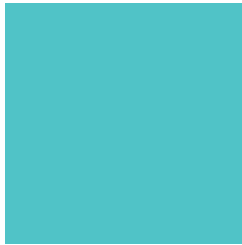
10.2672, 0.3294, 0.1588



0.4881, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 44.8592, 0.2385, 0.3229 looks on a white background.

Color Contrast Check

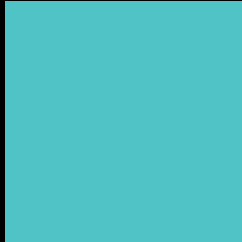
Large Text (above 18pt) WCAG AA × Fail

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 44.8592, 0.2385, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

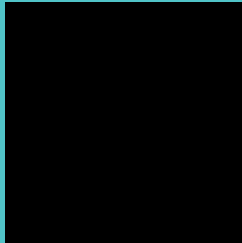
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

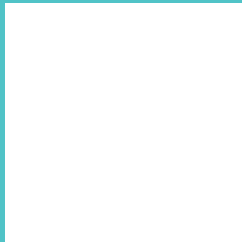
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8592, 0.2385, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 44.8592, 0.2385, 0.3229.

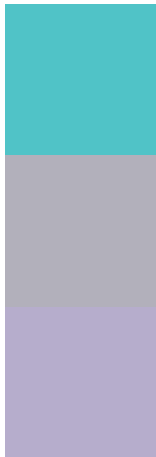


This preview shows how white text looks on a background with the Yxy color 44.8592, 0.2385, 0.3229.

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

44.8592, 0.2385, 0.3229

Protanopia

44.1035, 0.3056, 0.3145

Deuteranopia

44.1919, 0.2958, 0.2896



Tritanopia

44.6282, 0.2345, 0.3057

Trichromacy



Original Color

44.8592, 0.2385, 0.3229

Protanomaly

43.3793, 0.2746, 0.3177

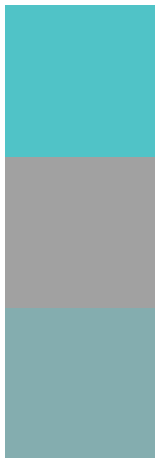
Deuteranomaly

43.3318, 0.2692, 0.3001

Tritanomaly

44.8304, 0.2364, 0.3128

Monochromacy



Original Color

44.8592, 0.2385, 0.3229

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.8878, 0.2769, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8592, 0.2385, 0.3229 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(80, 195, 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(80, 195, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 195, 199) }
```

Border

The CSS property to change the border of an element to Yxy 44.8592, 0.2385, 0.3229 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, 199) }
```

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

```
.border{ border-color:rgb(80, 195, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 195, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 195, 199);  
box-shadow:4px 4px 4px 4px rgb(80, 195,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8592, 0.2385, 0.3229 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, 199) }
```

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

```
.background{ background-color: rgb(80, 195,  
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](#).

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