

Converting Colors

$Yxy(45.5769, 0.2420, 0.3332)$

Have a look what the booklet for
Yxy(45.5769, 0.2420, 0.3332)
contains.

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Color

Yxy(45.5769, 0.2420, 0.3332)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 51C5C2 |
| RGB | 81, 197, 194 |
| RGB Percent | 32%, 77%, 76% |
| CMY | 0.6822, 0.2275, 0.2391 |
| CMYK | 0.59, 0.00, 0.02, 0.23 |
| HSL | 178°, 50%, 55% |
| HSV | 178°, 59%, 77% |
| XYZ | 33.1021, 45.5769, 58.1064 |
| YIQ | 161.9740, -68.1730, -25.5250 |

Conversions

Conversions Part 2

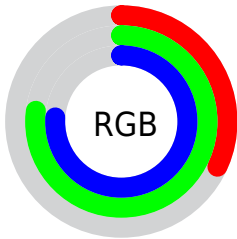
| Format | Color |
|-------------------------------------|--|
| RYB | 81, 140, 197 |
| Decimal | 5359042 |
| CIELab | 73.27, -33.00, -8.31 |
| CIElCh | 73, 34.032, 194.135 |
| Yxy | 45.5769, 0.2420, 0.3332 |
| Android (android.graphics.Color) | 4283549122 (0xFF51C5C2) |
| YUV | 161.9740, 15.7888, -71.0142 |
| Hunter-Lab | 67.5107, -30.6209, -3.7734 |

Details

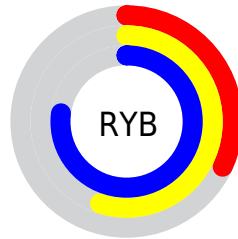
The Yxy color **45.5769, 0.2420, 0.3332** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.4020, 0.4883, 0.3259**, and the grayscale version is **36.0740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5365, 0.2548, 0.3334**, and **21.5384, 0.2264, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **44.8078, 0.2355, 0.3340**, and if you desaturate by 10%, it is **46.6020, 0.2504, 0.3324**.

Distribution



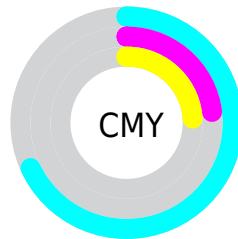
- Red (32%)
- Green (77%)
- Blue (76%)



- Red (32%)
- Yellow (55%)
- Blue (77%)



- Cyan (59%)
- Magenta (0%)
- Yellow (2%)
- Black (23%)




- Cyan (68%)
- Magenta (23%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5769, 0.2420, 0.3332 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 45.5769, 0.2420, 0.3332 by changing the saturation by 10% instead.

 45.5769, 0.2420,
0.3332


 45.5769, 0.2420,
0.3332


369.1050, 0.2768,
0.3319


 31.9121, 0.2336,
0.3333


 83.5854, 0.2545,
0.3329

 21.2943, 0.2229,
0.3332


 108.6979, 0.2592,
0.3328

 13.3393, 0.2089,
0.3329


 138.3951, 0.2632,
0.3326

 7.6626, 0.1900,
0.3319

 173.0614, 0.2667,
0.3324

 3.8798, 0.1633,
0.3293

213.0811, 0.2697,
0.3323

 1.6066, 0.1191,
0.3238

258.8387, 0.2723,

 0.3620, 0.0000,

0.3322

0.2707

310.7185, 0.2747,
0.3320

0.0000, 0.0000,
0.0000

45.5769, 0.2420,
0.3332

45.5769, 0.2420,
0.3332

44.8078, 0.2355,
0.3340

46.6020, 0.2504,
0.3324

44.2669, 0.2310,
0.3349

47.8978, 0.2605,
0.3316

43.9296, 0.2282,
0.3357

49.4837, 0.2723,
0.3309

43.7517, 0.2269,
0.3365

51.3762, 0.2853,
0.3302

43.7346, 0.2268,
0.3366

53.5904, 0.2995,
0.3295

■ 56.1403, 0.3145,
0.3289

■ 59.0393, 0.3299,
0.3284

■ 62.2999, 0.3455,
0.3279

■ 65.2945, 0.3585,
0.3275

Harmonies

Analogous

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



45.5769, 0.2767, 0.3801



45.5769, 0.2420, 0.3332



45.5769, 0.2260, 0.2895

Triad

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



45.5769, 0.2420, 0.3332



45.5769, 0.2968, 0.2610



45.5769, 0.4000, 0.3918

Complementary

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



45.5769, 0.2420, 0.3332



18.4020, 0.4883, 0.3259

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.



45.5769, 0.4079, 0.3568



45.5769, 0.2420, 0.3332



45.5769, 0.3457, 0.2847

Square

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



45.5769, 0.2420, 0.3332



45.5769, 0.2557, 0.2523



45.5769, 0.3876, 0.3186



45.5769, 0.3681, 0.4136

Rectangle

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



45.5769, 0.2420, 0.3332



45.5769, 0.2270, 0.2687



45.5769, 0.3876, 0.3186



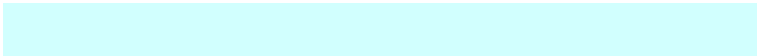
45.5769, 0.4057, 0.3810

Sweetspot

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



45.5786, 0.2420, 0.3332



92.2344, 0.2861, 0.3301



42.4529, 0.3061, 0.5158



19.5129, 0.2821, 0.3303



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.



45.5786, 0.2420, 0.3332



79.8988, 0.2339, 0.3343



25.3933, 0.2214, 0.2415



12.0627, 0.2987, 0.3296



28.7694, 0.2268, 0.3365



1.3637, 0.2263, 0.3348

Inverse Universe

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



18.4020, 0.4883, 0.3259



26.7094, 0.5505, 0.3262



29.8363, 0.4436, 0.3987



10.6413, 0.3286, 0.3285



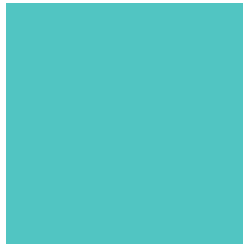
7.8168, 0.6369, 0.3282



0.3717, 0.6259, 0.3222

Previews

White Background



This preview shows how the Yxy color 45.5769, 0.2420, 0.3332 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 45.5769, 0.2420, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

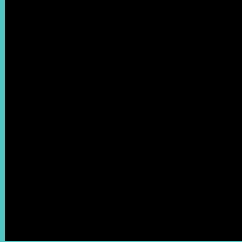
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

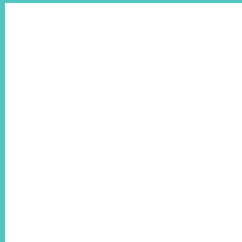
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5769, 0.2420, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 45.5769, 0.2420, 0.3332.

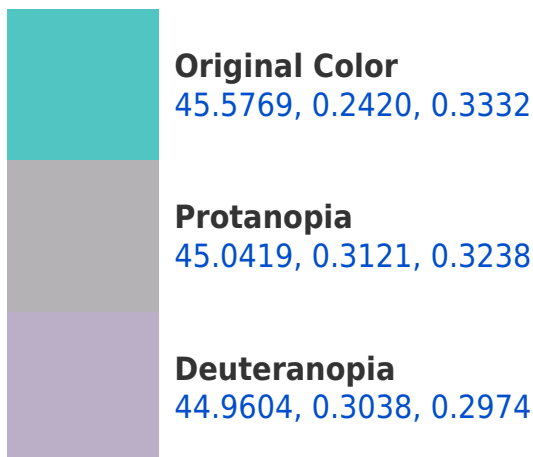


This preview shows how white text looks on a background with the Yxy color 45.5769, 0.2420, 0.3332.

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

45.7581, 0.2362, 0.3073

Trichromacy



Original Color

45.5769, 0.2420, 0.3332



Protanomaly

44.2628, 0.2803, 0.3275



Deuteranomaly

43.7830, 0.2747, 0.3083



Tritanomaly

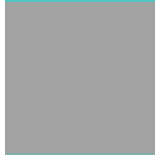
45.7708, 0.2383, 0.3172

Monochromacy



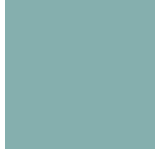
Original Color

45.5769, 0.2420, 0.3332



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.7025, 0.2787, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5769, 0.2420, 0.3332 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(81, 197, 194)` looks like.

```
.text, #text, p{  
    color:rgb(81, 197, 194)  
}
```

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(81, 197, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 197, 194) }
```

Border

The CSS property to change the border of an element to Yxy 45.5769, 0.2420, 0.3332 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(81, 197, 194) }
```

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

```
.border{ border-color:rgb(81, 197, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 197, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 197, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 197, 194);  
box-shadow:4px 4px 4px 4px rgb(81, 197,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5769, 0.2420, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 197, 194) }
```

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

```
.background{ background-color: rgb(81, 197,  
194) }
```

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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