

Converting Colors

$Yxy(50.7215, 0.2402, 0.3335)$

Have a look what the booklet for
Yxy(50.7215, 0.2402, 0.3335)
contains.

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Color

$\text{Yxy}(50.6908, 0.2400, 0.3331)$

Conversions

Conversions Part 1

Format	Color
Hex	50CFCC
RGB	80, 207, 204
RGB Percent	31%, 81%, 80%
CMY	0.6859, 0.1882, 0.2001
CMYK	0.61, 0.00, 0.01, 0.19
HSL	179°, 57%, 56%
HSV	179°, 61%, 81%
XYZ	36.5229, 50.6908, 64.9652
YIQ	168.6850, -74.7290, -27.8570

Conversions

Conversions Part 2

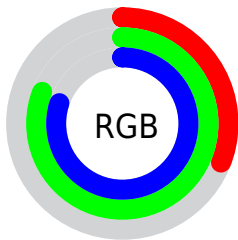
Format	Color
R _Y B	80, 144, 207
Decimal	5296076
CIE Lab	76.49, -35.16, -8.90
CIE LCh	76, 36.273, 194.210
Yxy	50.6908, 0.2400, 0.3331
Android (android.graphics.Color)	4283486156 (0xFF50CFCC)
YUV	168.6850, 17.4103, -77.7767
Hunter-Lab	71.1975, -33.0285, -4.2618

Details

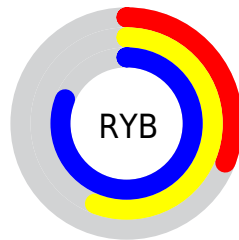
The Yxy color **50.6908, 0.2400, 0.3331** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **19.6438, 0.5010, 0.3262**, and the grayscale version is **39.4655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **24.6585, 0.2257, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **49.9013, 0.2340, 0.3339**, and if you desaturate by 10%, it is **51.7618, 0.2479, 0.3323**.

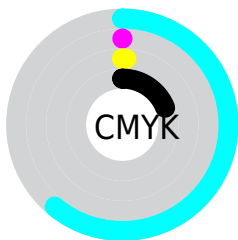
Distribution



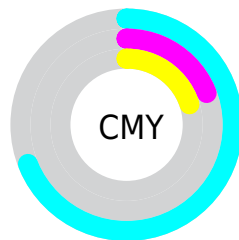
- Red (31%)
- Green (81%)
- Blue (80%)



- Red (31%)
- Yellow (56%)
- Blue (81%)



- Cyan (61%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)




- Cyan (69%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6908, 0.2400, 0.3331 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 50.6908, 0.2400, 0.3331 by changing the saturation by 10% instead.


 50.6908, 0.2400,
0.3331


 50.6908, 0.2400,
0.3331


389.3613, 0.2751,
0.3319


 35.9626, 0.2317,
0.3331


 91.1976, 0.2524,
0.3329

 24.4053, 0.2212,
0.3330


 117.7449, 0.2572,
0.3327

 15.6346, 0.2078,
0.3326


 149.0007, 0.2612,
0.3326

 9.2659, 0.1899,
0.3316

 185.3495, 0.2648,
0.3325

 4.9150, 0.1651,
0.3292

227.1755, 0.2678,
0.3323

 2.1975, 0.1290,
0.3232

274.8632, 0.2705,

 0.7186, 0.0000,

0.3322

0.3275

328.7970, 0.2729,
0.3321

0.0000, 0.0000,
0.0000

50.6908, 0.2400,
0.3331

50.6908, 0.2400,
0.3331

49.9013, 0.2340,
0.3339

51.7618, 0.2479,
0.3323

49.3611, 0.2299,
0.3346

53.1317, 0.2577,
0.3316

49.0407, 0.2276,
0.3354

54.8229, 0.2691,
0.3309

48.8916, 0.2267,
0.3361

56.8543, 0.2819,
0.3302

59.2434, 0.2959,
0.3296

■ 62.0063, 0.3107,
0.3291

■ 65.1582, 0.3261,
0.3286

■ 68.7135, 0.3418,
0.3281

■ 70.4593, 0.3487,
0.3277

Harmonies

Analogous

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



50.6908, 0.2755, 0.3815



50.6908, 0.2400, 0.3331



50.6908, 0.2238, 0.2882

Triad

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



50.6908, 0.2400, 0.3331



50.6908, 0.2964, 0.2593



50.6908, 0.4024, 0.3934

Complementary

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



50.6908, 0.2400, 0.3331



19.6438, 0.5010, 0.3262

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.



50.6908, 0.4107, 0.3575



50.6908, 0.2400, 0.3331



50.6908, 0.3467, 0.2836

Square

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



50.6908, 0.2400, 0.3331



50.6908, 0.2542, 0.2503



50.6908, 0.3899, 0.3183



50.6908, 0.3695, 0.4160

Rectangle

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



50.6908, 0.2400, 0.3331



50.6908, 0.2248, 0.2669



50.6908, 0.3899, 0.3183



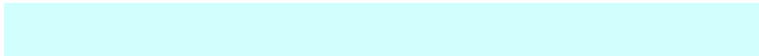
50.6908, 0.4083, 0.3824

Sweetspot

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



50.6927, 0.2400, 0.3331



92.2395, 0.2861, 0.3300



47.1056, 0.3056, 0.5245



19.5142, 0.2821, 0.3302



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.



50.6927, 0.2400, 0.3331



79.6219, 0.2323, 0.3341



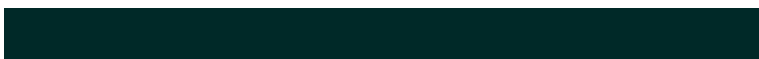
27.3255, 0.2177, 0.2367



13.4020, 0.2986, 0.3295



30.8067, 0.2267, 0.3360



1.7241, 0.2263, 0.3345

Inverse Universe

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



19.6438, 0.5010, 0.3262



25.6440, 0.5646, 0.3266



32.4038, 0.4512, 0.4010



11.8127, 0.3287, 0.3285



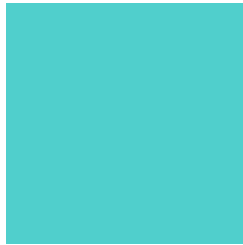
8.3666, 0.6373, 0.3284



0.4694, 0.6281, 0.3234

Previews

White Background



This preview shows how the Yxy color 50.6908, 0.2400, 0.3331 looks on a white background.

Color Contrast Check

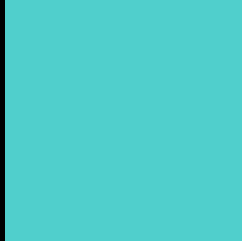
Large Text (above 18pt) WCAG AA × Fail

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 50.6908, 0.2400, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

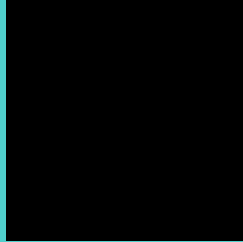
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

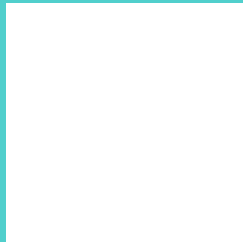
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6908, 0.2400, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 50.6908, 0.2400, 0.3331.

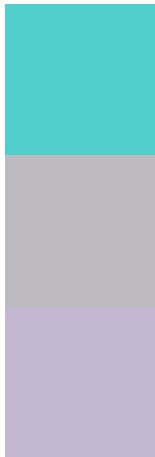


This preview shows how white text looks on a background with the Yxy color 50.6908, 0.2400, 0.3331.

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

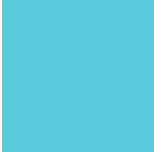
50.6908, 0.2400, 0.3331

Protanopia

49.7424, 0.3106, 0.3215

Deuteranopia

49.6614, 0.3027, 0.2962



Tritanopia

50.4809, 0.2340, 0.3055

Trichromacy



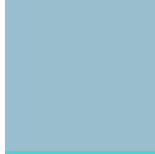
Original Color

50.6908, 0.2400, 0.3331



Protanomaly

48.9587, 0.2775, 0.3262



Deuteranomaly

48.5389, 0.2729, 0.3078



Tritanomaly

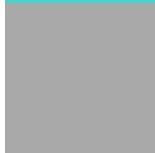
50.5002, 0.2360, 0.3149

Monochromacy



Original Color

50.6908, 0.2400, 0.3331



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.5627, 0.2770, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6908, 0.2400, 0.3331 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, 207, 204)` looks like.

```
.text, #text, p{  
    color:rgb(80, 207, 204)  
}
```

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, 207, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 207, 204) }
```

Border

The CSS property to change the border of an element to Yxy 50.6908, 0.2400, 0.3331 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, 207, 204) }
```

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

```
.border{ border-color:rgb(80, 207, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 207, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 207, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 207, 204);  
box-shadow:4px 4px 4px 4px rgb(80, 207,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6908, 0.2400, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 207, 204) }
```

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

```
.background{ background-color: rgb(80, 207,  
204) }
```

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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