

Converting Colors

$Y_{xy}(50.6687, 0.2432, 0.3395)$

Have a look what the booklet for
Yxy(50.6687, 0.2432, 0.3395)
contains.

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Color

Yxy(50.6348, 0.2429, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	53CFC8
RGB	83, 207, 200
RGB Percent	33%, 81%, 78%
CMY	0.6748, 0.1882, 0.2156
CMYK	0.60, 0.00, 0.03, 0.19
HSL	177°, 56%, 57%
HSV	177°, 60%, 81%
XYZ	36.3022, 50.6348, 62.5163
YIQ	169.1260, -71.6570, -28.4650

Conversions

Conversions Part 2

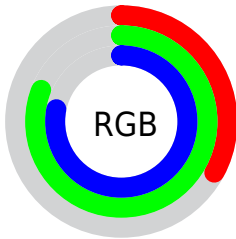
Format	Color
RYB	83, 147, 207
Decimal	5492680
CIELab	76.46, -35.75, -6.82
CIElCh	76, 36.394, 190.801
Yxy	50.6348, 0.2429, 0.3388
Android (android.graphics.Color)	4283682760 (0xFF53CFC8)
YUV	169.1260, 15.2209, -75.5325
Hunter-Lab	71.1581, -33.4627, -2.2788

Details

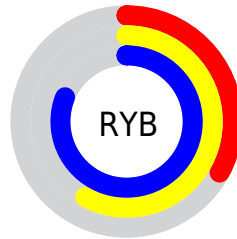
The Yxy color **50.6348, 0.2429, 0.3388** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.1788, 0.4885, 0.3214**, and the grayscale version is **39.6837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **24.5318, 0.2280, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **49.7782, 0.2369, 0.3407**, and if you desaturate by 10%, it is **51.7766, 0.2509, 0.3370**.

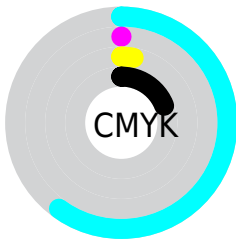
Distribution



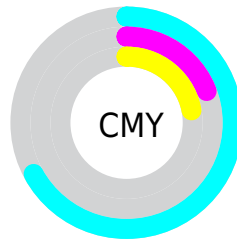
- Red (33%)
- Green (81%)
- Blue (78%)



- Red (33%)
- Yellow (58%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (3%)
- Black (19%)





- Cyan (67%)
- Magenta (19%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6348, 0.2429, 0.3388 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 50.6348, 0.2429, 0.3388 by changing the saturation by 10% instead.


 50.6348, 0.2429,
0.3388

 50.6348, 0.2429,
0.3388


389.1432, 0.2767,
0.3347

 35.9180, 0.2348,
0.3396


 91.1147, 0.2549,
0.3375


 24.3709, 0.2247,
0.3405


 117.6467, 0.2595,
0.3369

 15.6090, 0.2116,
0.3414


 148.8858, 0.2634,
0.3365

 9.2479, 0.1941,
0.3423

 185.2166, 0.2668,
0.3360

 4.9032, 0.1697,
0.3427

227.0233, 0.2697,
0.3356

 2.1906, 0.1339,
0.3413

274.6904, 0.2723,

 0.7149, 0.0000,

0.3353

0.3574

328.6022, 0.2746,
0.3350

■ 0.0000, 0.0000,
0.0000

■ 50.6348, 0.2429,
0.3388

■ 50.6348, 0.2429,
0.3388

■ 49.7782, 0.2369,
0.3407

■ 51.7766, 0.2509,
0.3370

■ 49.1751, 0.2327,
0.3426

■ 53.2206, 0.2606,
0.3352

■ 48.7969, 0.2304,
0.3444

■ 54.9889, 0.2719,
0.3335

■ 48.5871, 0.2295,
0.3463

■ 57.1004, 0.2846,
0.3319

■ 48.5860, 0.2295,
0.3463

■ 59.5721, 0.2983,
0.3304

■ 62.4202, 0.3128,
0.3290

■ 65.6596, 0.3278,
0.3278

■ 69.3048, 0.3430,
0.3267

■ 70.5686, 0.3471,
0.3255

Harmonies

Analogous

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



50.6348, 0.2803, 0.3866



50.6348, 0.2429, 0.3388



50.6348, 0.2242, 0.2925

Triad

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



50.6348, 0.2429, 0.3388



50.6348, 0.2909, 0.2572



50.6348, 0.4051, 0.3900

Complementary

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



50.6348, 0.2429, 0.3388



20.1788, 0.4885, 0.3214

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.



50.6348, 0.4101, 0.3531



50.6348, 0.2429, 0.3388



50.6348, 0.3411, 0.2800

Square

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



50.6348, 0.2429, 0.3388



50.6348, 0.2501, 0.2501



50.6348, 0.3862, 0.3140



50.6348, 0.3744, 0.4148

Rectangle

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



50.6348, 0.2429, 0.3388



50.6348, 0.2236, 0.2697



50.6348, 0.3862, 0.3140



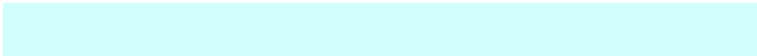
50.6348, 0.4100, 0.3785

Sweetspot

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



50.6367, 0.2429, 0.3388



92.1445, 0.2869, 0.3316



47.4876, 0.3081, 0.5187



19.4906, 0.2830, 0.3320



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.



50.6367, 0.2429, 0.3388



79.4467, 0.2354, 0.3412



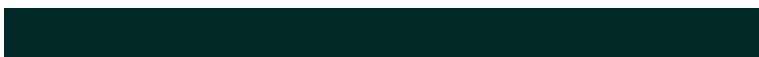
29.2023, 0.2211, 0.2459



13.3951, 0.2991, 0.3303



30.6132, 0.2295, 0.3460



1.7153, 0.2285, 0.3426

Inverse Universe

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



20.1788, 0.4885, 0.3214



26.4227, 0.5484, 0.3218



31.6951, 0.4509, 0.3949



11.8189, 0.3282, 0.3277



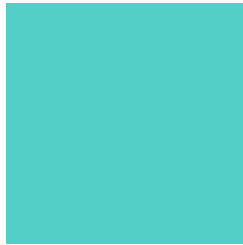
8.3786, 0.6335, 0.3263



0.4723, 0.6127, 0.3149

Previews

White Background



This preview shows how the Yxy color 50.6348, 0.2429, 0.3388 looks on a white background.

Color Contrast Check

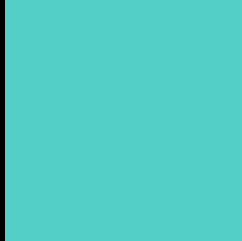
Large Text (above 18pt) WCAG AA × Fail

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 50.6348, 0.2429, 0.3388 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

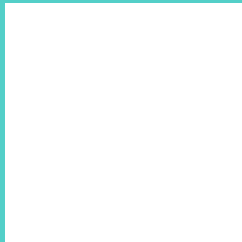
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.6348, 0.2429, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 50.6348, 0.2429, 0.3388.

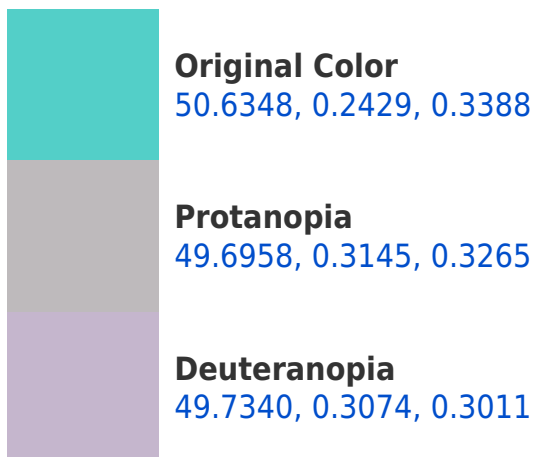


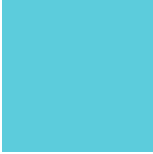
This preview shows how white text looks on a background with the Yxy color 50.6348, 0.2429, 0.3388.

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

50.6283, 0.2359, 0.3069

Trichromacy



Original Color

50.6348, 0.2429, 0.3388



Protanomaly

48.9687, 0.2815, 0.3316



Deuteranomaly

48.6413, 0.2775, 0.3131



Tritanomaly

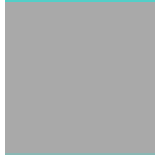
50.5906, 0.2384, 0.3176

Monochromacy



Original Color

50.6348, 0.2429, 0.3388



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.5655, 0.2791, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6348, 0.2429, 0.3388 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(83, 207, 200)` looks like.

```
.text, #text, p{  
    color:rgb(83, 207, 200)  
}
```

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(83, 207, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 207, 200) }
```

Border

The CSS property to change the border of an element to Yxy 50.6348, 0.2429, 0.3388 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(83, 207, 200) }
```

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

```
.border{ border-color:rgb(83, 207, 200) }
```

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

Here you see how a box with a 4 pixel rgb(83, 207, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 207, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 207, 200);  
box-shadow:4px 4px 4px 4px rgb(83, 207,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6348, 0.2429, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 207, 200) }
```

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

```
.background{ background-color: rgb(83, 207,  
200) }
```

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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