

Converting Colors

$Yxy(46.8643, 0.2431, 0.3392)$

Have a look what the booklet for
Yxy(46.8643, 0.2431, 0.3392)
contains.

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Color

Yxy(46.8643, 0.2431, 0.3392)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 50C8C1 |
| RGB | 80, 200, 193 |
| RGB Percent | 31%, 78%, 76% |
| CMY | 0.6862, 0.2157, 0.2432 |
| CMYK | 0.60, 0.00, 0.04, 0.22 |
| HSL | 176°, 52%, 55% |
| HSV | 176°, 60%, 78% |
| XYZ | 33.5870, 46.8643, 57.7100 |
| YIQ | 163.3220, -69.2730, -27.6170 |

Conversions

Conversions Part 2

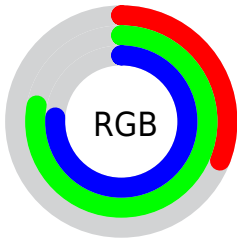
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 80, 142, 200 |
| Decimal | 5294273 |
| CIELab | 74.10, -34.88, -6.51 |
| CIELCh | 74, 35.483, 190.564 |
| Yxy | 46.8643, 0.2431, 0.3392 |
| Android (android.graphics.Color) | 4283484353 (0xFF50C8C1) |
| YUV | 163.3220, 14.6313, -73.0734 |
| Hunter-Lab | 68.4575, -32.2240, -2.0615 |

Details

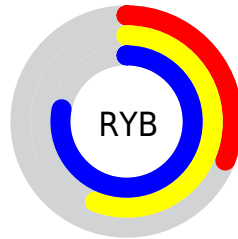
The Yxy color **46.8643, 0.2431, 0.3392** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.7107, 0.4876, 0.3211**, and the grayscale version is **36.7436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0223, 0.2550, 0.3356**, and **22.1442, 0.2275, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **46.0688, 0.2371, 0.3412**, and if you desaturate by 10%, it is **47.9229, 0.2510, 0.3373**.

Distribution



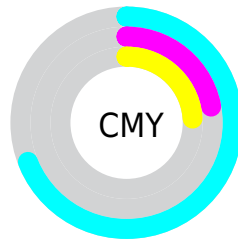
- Red (31%)
- Green (78%)
- Blue (76%)



- Red (31%)
- Yellow (56%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8643, 0.2431, 0.3392 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 46.8643, 0.2431, 0.3392 by changing the saturation by 10% instead.


 46.8643, 0.2431,
0.3392


 46.8643, 0.2431,
0.3392


374.2726, 0.2772,
0.3348


 32.9284, 0.2348,
0.3401


 85.5110, 0.2553,
0.3378


 22.0716, 0.2244,
0.3410


 110.9906, 0.2600,
0.3372

 13.9095, 0.2107,
0.3421


 141.0869, 0.2639,
0.3367

 8.0578, 0.1923,
0.3432

 176.1843, 0.2673,
0.3362

 4.1319, 0.1661,
0.3437

216.6672, 0.2703,
0.3358

 1.7476, 0.1242,
0.3432

262.9199, 0.2729,

 0.4542, 0.0000,

0.3354

0.3236

315.3269, 0.2752,
0.3351

0.0000, 0.0000,
0.0000

46.8643, 0.2431,
0.3392

46.8643, 0.2431,
0.3392

46.0688, 0.2371,
0.3412

47.9229, 0.2510,
0.3373

45.5072, 0.2329,
0.3431

49.2600, 0.2607,
0.3354

45.1533, 0.2306,
0.3450

50.8963, 0.2720,
0.3336

44.9535, 0.2297,
0.3470

52.8487, 0.2846,
0.3320

44.9533, 0.2297,
0.3470

55.1332, 0.2983,
0.3304

■ 57.7645, 0.3127,
0.3290

■ 60.7565, 0.3276,
0.3277

■ 64.1222, 0.3428,
0.3266

■ 66.9071, 0.3539,
0.3255

Harmonies

Analogous

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



46.8643, 0.2807, 0.3869



46.8643, 0.2431, 0.3392



46.8643, 0.2243, 0.2928

Triad

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



46.8643, 0.2431, 0.3392



46.8643, 0.2905, 0.2571



46.8643, 0.4053, 0.3898

Complementary

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



46.8643, 0.2431, 0.3392



18.7107, 0.4876, 0.3211

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.



46.8643, 0.4101, 0.3528



46.8643, 0.2431, 0.3392



46.8643, 0.3407, 0.2798

Square

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



46.8643, 0.2431, 0.3392



46.8643, 0.2499, 0.2501



46.8643, 0.3859, 0.3137



46.8643, 0.3747, 0.4147

Rectangle

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



46.8643, 0.2431, 0.3392



46.8643, 0.2235, 0.2699



46.8643, 0.3859, 0.3137



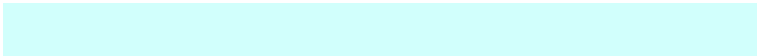
46.8643, 0.4101, 0.3782

Sweetspot

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



46.8661, 0.2431, 0.3392



92.1378, 0.2869, 0.3317



43.9661, 0.3081, 0.5185



19.4889, 0.2830, 0.3322



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.



46.8661, 0.2431, 0.3392



79.4209, 0.2356, 0.3417



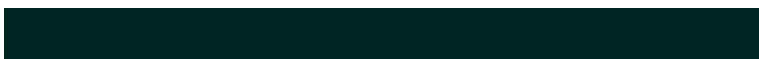
27.0616, 0.2212, 0.2461



12.0564, 0.2992, 0.3303



28.5864, 0.2296, 0.3467



1.3569, 0.2285, 0.3427

Inverse Universe

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



18.7107, 0.4876, 0.3211



26.4292, 0.5479, 0.3214



29.3671, 0.4507, 0.3948



10.6468, 0.3280, 0.3277



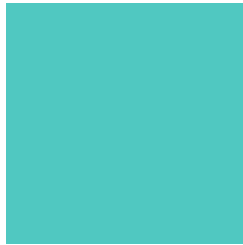
7.8286, 0.6329, 0.3260



0.3743, 0.6088, 0.3127

Previews

White Background



This preview shows how the Yxy color 46.8643, 0.2431, 0.3392 looks on a white background.

Color Contrast Check

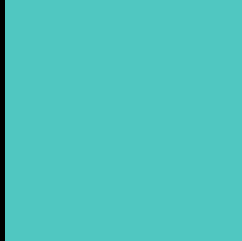
Large Text (above 18pt) WCAG AA × Fail

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 46.8643, 0.2431, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

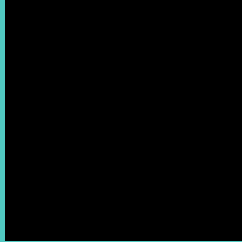
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

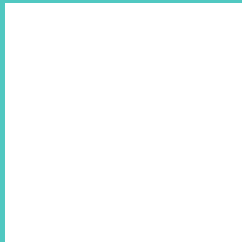
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8643, 0.2431, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 46.8643, 0.2431, 0.3392.

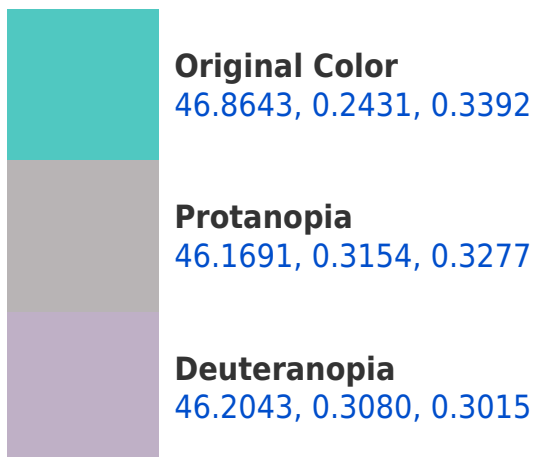


This preview shows how white text looks on a background with the Yxy color 46.8643, 0.2431, 0.3392.

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

46.8113, 0.2355, 0.3062

Trichromacy



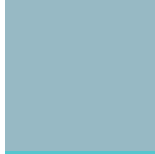
Original Color

46.8643, 0.2431, 0.3392



Protanomaly

45.1544, 0.2820, 0.3317



Deuteranomaly

45.2628, 0.2779, 0.3139



Tritanomaly

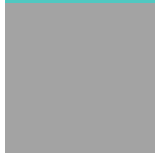
46.7757, 0.2380, 0.3173

Monochromacy



Original Color

46.8643, 0.2431, 0.3392



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.0932, 0.2788, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8643, 0.2431, 0.3392 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, 200, 193)` looks like.

```
.text, #text, p{  
    color:rgb(80, 200, 193)  
}
```

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, 200, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 200, 193) }
```

Border

The CSS property to change the border of an element to Yxy 46.8643, 0.2431, 0.3392 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, 200, 193) }
```

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

```
.border{ border-color:rgb(80, 200, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 200, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 200, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 200, 193);  
box-shadow:4px 4px 4px 4px rgb(80, 200,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8643, 0.2431, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 200, 193) }
```

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

```
.background{ background-color: rgb(80, 200,  
193) }
```

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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