

Converting Colors

$Y_{xy}(48.9927, 0.2565, 0.3432)$

Have a look what the booklet for
Yxy(48.9927, 0.2565, 0.3432)
contains.

| | |
|---|----|
| Yxy(49.2350, 0.2566, 0.3431) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(49.2350, 0.2566, 0.3431)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6CCAC0 |
| RGB | 108, 202, 192 |
| RGB Percent | 42%, 79%, 75% |
| CMY | 0.5764, 0.2078, 0.2470 |
| CMYK | 0.47, 0.00, 0.05, 0.21 |
| HSL | 174°, 47%, 61% |
| HSV | 174°, 47%, 79% |
| XYZ | 36.8222, 49.2350, 57.4432 |
| YIQ | 172.7540, -52.8140, -23.0380 |

Conversions

Conversions Part 2

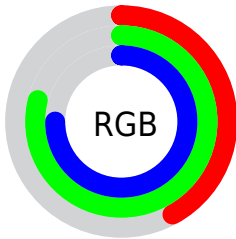
| Format | Color |
|-------------------------------------|--|
| RYB | 108, 158, 202 |
| Decimal | 7129792 |
| CIELab | 75.60, -30.32, -3.68 |
| CIELCh | 76, 30.541, 186.919 |
| Yxy | 49.2350, 0.2566, 0.3431 |
| Android (android.graphics.Color) | 4285319872 (0xFF6CCAC0) |
| YUV | 172.7540, 9.4883, -56.7893 |
| Hunter-Lab | 70.1677, -29.1211, 0.5792 |

Details

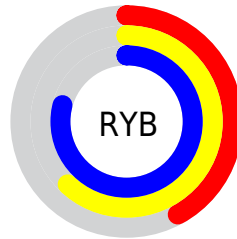
The Yxy color **49.2350, 0.2566, 0.3431** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.5930, 0.4244, 0.3164**, and the grayscale version is **41.6317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2966, 0.2661, 0.3366**, and **23.3845, 0.2412, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **48.0191, 0.2484, 0.3466**, and if you desaturate by 10%, it is **50.7495, 0.2665, 0.3397**.

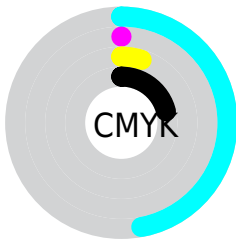
Distribution



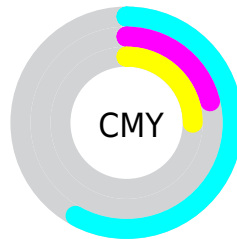
- Red (42%)
- Green (79%)
- Blue (75%)



- Red (42%)
- Yellow (62%)
- Blue (79%)



- Cyan (47%)
- Magenta (0%)
- Yellow (5%)
- Black (21%)




- Cyan (58%)
- Magenta (21%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2350, 0.2566, 0.3431 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 49.2350, 0.2566, 0.3431 by changing the saturation by 10% instead.


 49.2350, 0.2566,
0.3431


 49.2350, 0.2566,
0.3431


383.6667, 0.2841,
0.3365

 34.8059, 0.2499,
0.3446


 89.0404, 0.2664,
0.3408

 23.5134, 0.2415,
0.3465


 115.1855, 0.2702,
0.3399

 14.9731, 0.2305,
0.3488


 146.0047, 0.2734,
0.3391

 8.8005, 0.2155,
0.3519

181.8825, 0.2761,
0.3385

 4.6113, 0.1940,
0.3558

223.2032, 0.2785,
0.3379

 2.0210, 0.1611,
0.3609

270.3512, 0.2806,

 0.6197, 0.0000,

0.3374

0.3994

323.7109, 0.2824,
0.3369

0.0000, 0.0000,
0.0000

49.2350, 0.2566,
0.3431

49.2350, 0.2566,
0.3431

48.0191, 0.2484,
0.3466

50.7495, 0.2665,
0.3397

47.0755, 0.2420,
0.3503

52.5755, 0.2778,
0.3365

46.3830, 0.2376,
0.3539


54.7320, 0.2903,
0.3335

45.9144, 0.2350,
0.3576

57.2347, 0.3037,
0.3307


45.6347, 0.2341,
0.3612


60.0984, 0.3176,
0.3282

 45.5589, 0.2340,
0.3625

 63.3371, 0.3319,
0.3259

 66.9641, 0.3463,
0.3239

 68.1134, 0.3490,
0.3218

 68.2205, 0.3474,
0.3196

Harmonies

Analogous

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



49.2350, 0.2906, 0.3815



49.2350, 0.2566, 0.3431



49.2350, 0.2379, 0.3031

Triad

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



49.2350, 0.2566, 0.3431



49.2350, 0.2893, 0.2656



49.2350, 0.3931, 0.3781

Complementary

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



49.2350, 0.2566, 0.3431



24.5930, 0.4244, 0.3164

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.



49.2350, 0.3938, 0.3461



49.2350, 0.2566, 0.3431



49.2350, 0.3315, 0.2838

Square

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



49.2350, 0.2566, 0.3431



49.2350, 0.2557, 0.2617



49.2350, 0.3707, 0.3124



49.2350, 0.3699, 0.4002

Rectangle

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



49.2350, 0.2566, 0.3431



49.2350, 0.2357, 0.2822



49.2350, 0.3707, 0.3124



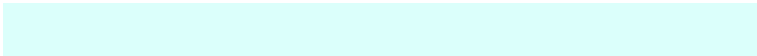
49.2350, 0.3961, 0.3681

Sweetspot

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



49.2369, 0.2566, 0.3431



93.6049, 0.2933, 0.3328



47.2447, 0.3133, 0.4709



19.8474, 0.2905, 0.3334



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.



49.2369, 0.2566, 0.3431



81.2595, 0.2482, 0.3467



34.7160, 0.2416, 0.2752



12.7057, 0.2997, 0.3315



29.3245, 0.2339, 0.3620



1.5189, 0.2319, 0.3549

Inverse Universe

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



24.5930, 0.4244, 0.3164



34.4343, 0.4649, 0.3144



33.5993, 0.4145, 0.3760



11.2327, 0.3274, 0.3266



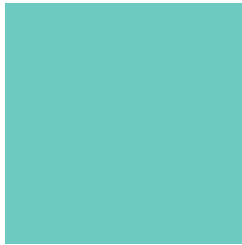
8.1224, 0.6263, 0.3224



0.4257, 0.5886, 0.3016

Previews

White Background



This preview shows how the Yxy color 49.2350, 0.2566, 0.3431 looks on a white background.

Color Contrast Check

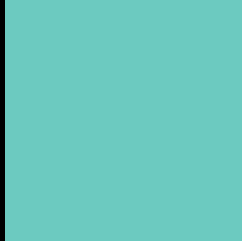
Large Text (above 18pt) WCAG AA × Fail

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 49.2350, 0.2566, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

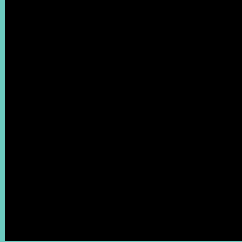
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

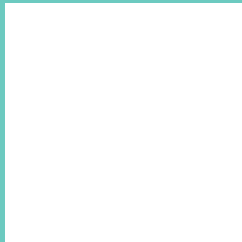
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2350, 0.2566, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 49.2350, 0.2566, 0.3431.

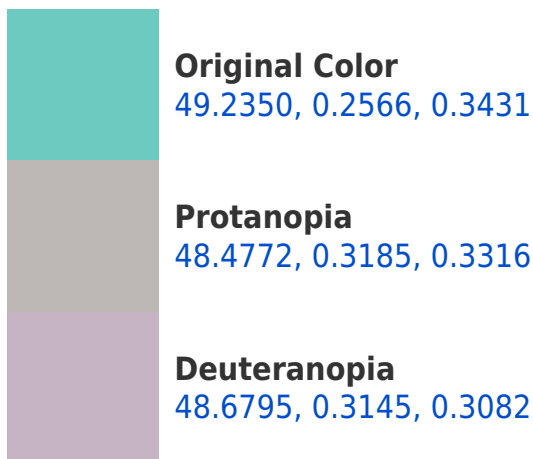


This preview shows how white text looks on a background with the Yxy color 49.2350, 0.2566, 0.3431.

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

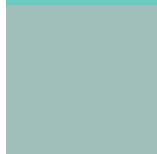
49.3980, 0.2471, 0.3070

Trichromacy



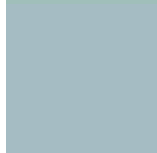
Original Color

49.2350, 0.2566, 0.3431



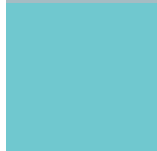
Protanomaly

48.2804, 0.2919, 0.3357



Deuteranomaly

47.9059, 0.2893, 0.3197



Tritanomaly

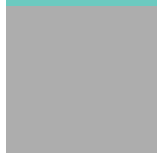
49.2583, 0.2501, 0.3191

Monochromacy



Original Color

49.2350, 0.2566, 0.3431



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

43.9658, 0.2874, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2350, 0.2566, 0.3431 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(108, 202, 192)` looks like.

```
.text, #text, p{  
    color:rgb(108, 202, 192)  
}
```

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(108, 202, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 202, 192) }
```

Border

The CSS property to change the border of an element to Yxy 49.2350, 0.2566, 0.3431 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(108, 202, 192) }
```

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

```
.border{ border-color:rgb(108, 202, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 202, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 202, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 202, 192);  
box-shadow:4px 4px 4px 4px rgb(108, 202,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2350, 0.2566, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 202, 192) }
```

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

```
.background{ background-color: rgb(108,  
202, 192) }
```

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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