

Converting Colors

$Y_{xy}(49.6607, 0.2470, 0.3538)$

Have a look what the booklet for
Yxy(49.6607, 0.2470, 0.3538)
contains.

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Color

Yxy(49.5222, 0.2469, 0.3538)

Conversions

Conversions Part 1

Format	Color
Hex	50CEBD
RGB	80, 206, 189
RGB Percent	31%, 81%, 74%
CMY	0.6867, 0.1921, 0.2588
CMYK	0.61, 0.00, 0.08, 0.19
HSL	172°, 56%, 56%
HSV	172°, 61%, 81%
XYZ	34.5592, 49.5222, 55.8909
YIQ	166.3880, -69.6390, -31.9990

Conversions

Conversions Part 2

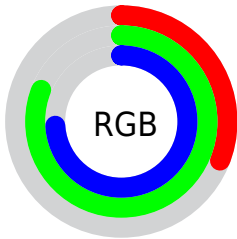
Format	Color
RYB	80, 148, 206
Decimal	5295805
CIELab	75.78, -38.71, -1.90
CIELCh	76, 38.758, 182.815
Yxy	49.5222, 0.2469, 0.3538
Android (android.graphics.Color)	4283485885 (0xFF50CEBD)
YUV	166.3880, 11.1477, -75.7623
Hunter-Lab	70.3720, -35.4910, 2.1710

Details

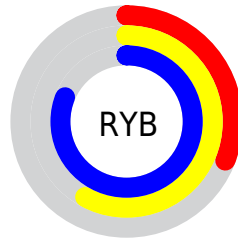
The Yxy color **49.5222, 0.2469, 0.3538** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.7058, 0.4787, 0.3096**, and the grayscale version is **38.2886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7753, 0.2568, 0.3402**, and **23.9108, 0.2332, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **48.6426, 0.2416, 0.3585**, and if you desaturate by 10%, it is **50.6826, 0.2541, 0.3492**.

Distribution



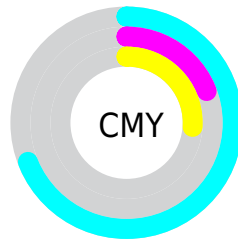
- Red (31%)
- Green (81%)
- Blue (74%)



- Red (31%)
- Yellow (58%)
- Blue (81%)



- Cyan (61%)
- Magenta (0%)
- Yellow (8%)
- Black (19%)





- Cyan (69%)
- Magenta (19%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5222, 0.2469, 0.3538 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 49.5222, 0.2469, 0.3538 by changing the saturation by 10% instead.


 49.5222, 0.2469,
0.3538

 49.5222, 0.2469,
0.3538


384.7945, 0.2791,
0.3419

 35.0339, 0.2391,
0.3566


 89.4665, 0.2584,
0.3496


 23.6890, 0.2292,
0.3602


 115.6914, 0.2628,
0.3479

 15.1031, 0.2164,
0.3648


 146.5972, 0.2665,
0.3466

 8.8918, 0.1990,
0.3708

 182.5683, 0.2697,
0.3454

 4.6706, 0.1743,
0.3792

223.9893, 0.2725,
0.3443

 2.0553, 0.1362,
0.3915

271.2443, 0.2750,

 0.6393, 0.0000,

0.3434

0.4353

324.7179, 0.2772,
0.3426

■ 0.0000, 0.0000,
0.0000

■ 49.5222, 0.2469,
0.3538

■ 49.5222, 0.2469,
0.3538

■ 48.6426, 0.2416,
0.3585

■ 50.6826, 0.2541,
0.3492

■ 48.0121, 0.2383,
0.3633

■ 52.1409, 0.2630,
0.3447

■ 47.6014, 0.2368,
0.3680

■ 53.9194, 0.2734,
0.3405

■ 47.3730, 0.2367,
0.3721

■ 56.0367, 0.2851,
0.3365

■ 58.5100, 0.2977,
0.3328

■ 61.3554, 0.3111,
0.3294

■ 64.5879, 0.3248,
0.3263

■ 68.2216, 0.3387,
0.3236

■ 70.2636, 0.3447,
0.3210

Harmonies

Analogous

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



49.5222, 0.2909, 0.4023



49.5222, 0.2469, 0.3538



49.5222, 0.2214, 0.3015

Triad

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



49.5222, 0.2469, 0.3538



49.5222, 0.2762, 0.2488



49.5222, 0.4161, 0.3839

Complementary

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



49.5222, 0.2469, 0.3538



19.7058, 0.4787, 0.3096

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.



49.5222, 0.4134, 0.3430



49.5222, 0.2469, 0.3538



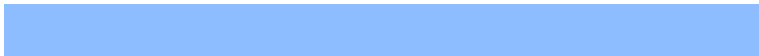
49.5222, 0.3285, 0.2690

Square

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



49.5222, 0.2469, 0.3538



49.5222, 0.2373, 0.2461



49.5222, 0.3802, 0.3023



49.5222, 0.3894, 0.4156

Rectangle

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



49.5222, 0.2469, 0.3538



49.5222, 0.2168, 0.2740



49.5222, 0.3802, 0.3023



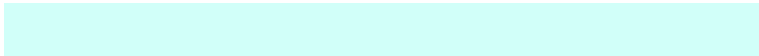
49.5222, 0.4188, 0.3708

Sweetspot

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



49.5241, 0.2469, 0.3538



91.9179, 0.2888, 0.3353



47.3680, 0.3140, 0.5193



19.4345, 0.2851, 0.3364



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.



49.5241, 0.2469, 0.3538



78.4883, 0.2405, 0.3598



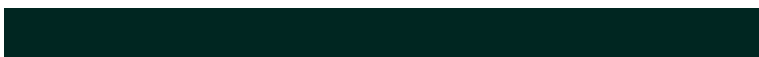
31.9523, 0.2233, 0.2610



12.7000, 0.3001, 0.3321



29.1774, 0.2365, 0.3714



1.5126, 0.2340, 0.3622

Inverse Universe

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



19.7058, 0.4787, 0.3096



26.3047, 0.5342, 0.3097



28.1248, 0.4645, 0.3830



11.2379, 0.3269, 0.3259



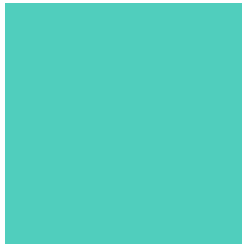
8.1392, 0.6211, 0.3195



0.4281, 0.5765, 0.2950

Previews

White Background



This preview shows how the Yxy color 49.5222, 0.2469, 0.3538 looks on a white background.

Color Contrast Check

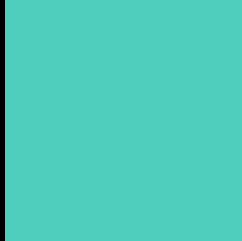
Large Text (above 18pt) WCAG AA × Fail

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 49.5222, 0.2469, 0.3538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

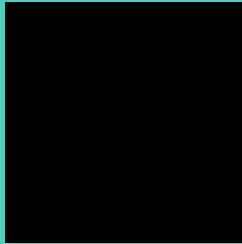
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

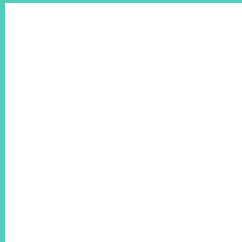
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.5222, 0.2469, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 49.5222, 0.2469, 0.3538.

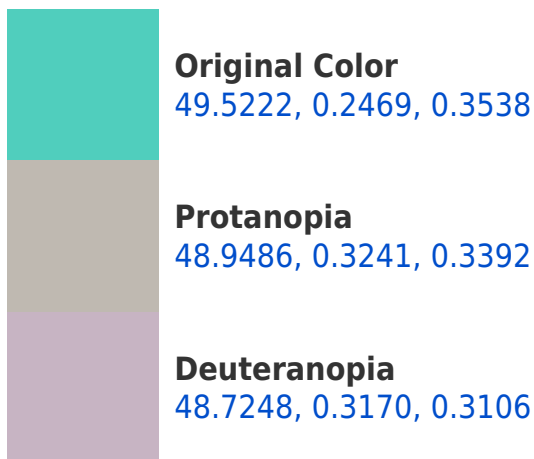


This preview shows how white text looks on a background with the Yxy color 49.5222, 0.2469, 0.3538.

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

49.5783, 0.2362, 0.3067

Trichromacy



Original Color

49.5222, 0.2469, 0.3538

Protanomaly

48.0554, 0.2888, 0.3455

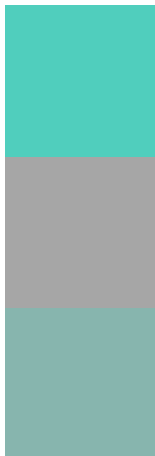
Deuteranomaly

47.3134, 0.2840, 0.3235

Tritanomaly

49.2916, 0.2402, 0.3231

Monochromacy



Original Color

49.5222, 0.2469, 0.3538

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

41.2546, 0.2808, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5222, 0.2469, 0.3538 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, 206, 189)` looks like.

```
.text, #text, p{  
    color:rgb(80, 206, 189)  
}
```

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, 206, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 206, 189) }
```

Border

The CSS property to change the border of an element to Yxy 49.5222, 0.2469, 0.3538 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, 206, 189) }
```

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

```
.border{ border-color:rgb(80, 206, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 206, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 206, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 206, 189);  
box-shadow:4px 4px 4px 4px rgb(80, 206,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5222, 0.2469, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 206, 189) }
```

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

```
.background{ background-color: rgb(80, 206,  
189) }
```

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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