

Converting Colors

$Yxy(48.7684, 0.2635, 0.4010)$

Have a look what the booklet for
Yxy(48.7684, 0.2635, 0.4010)
contains.

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Color

Yxy(48.9576, 0.2632, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	52CFA0
RGB	82, 207, 160
RGB Percent	32%, 81%, 63%
CMY	0.6782, 0.1882, 0.3725
CMYK	0.60, 0.00, 0.23, 0.19
HSL	157°, 57%, 57%
HSV	157°, 60%, 81%
XYZ	32.1418, 48.9576, 41.0198
YIQ	164.2670, -59.4130, -41.1170

Conversions

Conversions Part 2

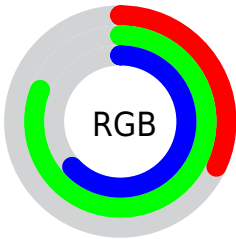
Format	Color
RYB	82, 159, 207
Decimal	5427104
CIELab	75.42, -45.72, 13.18
CIELCh	75, 47.587, 163.918
Yxy	48.9576, 0.2632, 0.4009
Android (android.graphics.Color)	4283617184 (0xFF52CFA0)
YUV	164.2670, -2.1036, -72.1482
Hunter-Lab	69.9697, -40.4500, 14.2199

Details

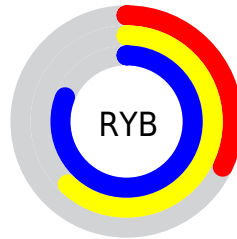
The Yxy color **48.9576, 0.2632, 0.4009** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **20.8934, 0.4266, 0.2724**, and the grayscale version is **37.2973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1771, 0.2710, 0.3763**, and **23.5392, 0.2512, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **47.9027, 0.2597, 0.4154**, and if you desaturate by 10%, it is **50.3133, 0.2685, 0.3869**.

Distribution



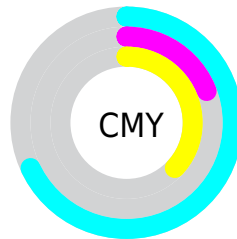
- Red (32%)
- Green (81%)
- Blue (63%)



- Red (32%)
- Yellow (62%)
- Blue (81%)



- Cyan (60%)
- Magenta (0%)
- Yellow (23%)
- Black (19%)





- Cyan (68%)
- Magenta (19%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9576, 0.2632, 0.4009 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 48.9576, 0.2632, 0.4009 by changing the saturation by 10% instead.

 48.9576, 0.2632,
0.4009


 48.9576, 0.2632,
0.4009

382.5754, 0.2885,
0.3636


 34.5858, 0.2568,
0.4106


 88.6285, 0.2725,
0.3870


 23.3440, 0.2484,
0.4234


 114.6964, 0.2759,
0.3819

 14.8477, 0.2372,
0.4407


 145.4318, 0.2788,
0.3776

 8.7126, 0.2214,
0.4658

 181.2191, 0.2813,
0.3740

 4.5542, 0.1975,
0.5046

222.4428, 0.2835,
0.3709

 1.9882, 0.1477,
0.5792

269.4871, 0.2853,

 0.6006, 0.0000,

0.3681

1.0000

322.7365, 0.2870,
0.3657

0.0000, 0.0000,
0.0000

48.9576, 0.2632,
0.4009

48.9576, 0.2632,
0.4009

47.9027, 0.2597,
0.4154

50.3133, 0.2685,
0.3869

47.1164, 0.2581,
0.4300

51.9872, 0.2754,
0.3735

46.5695, 0.2586,
0.4445

54.0019, 0.2836,
0.3609

46.2141, 0.2606,
0.4582

56.3763, 0.2926,
0.3494

59.1281, 0.3023,
0.3388

■ 62.2737, 0.3123,
0.3293

■ 65.8283, 0.3225,
0.3208

■ 69.8066, 0.3327,
0.3133

■ 71.6018, 0.3326,
0.3059

Harmonies

Analogous

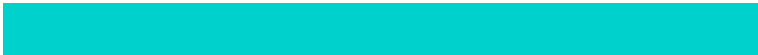
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9576, 0.3245, 0.4439



48.9576, 0.2632, 0.4009



48.9576, 0.2181, 0.3336

Triad

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



48.9576, 0.2632, 0.4009



48.9576, 0.2359, 0.2278



48.9576, 0.4425, 0.3625

Complementary

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



48.9576, 0.2632, 0.4009



20.8934, 0.4266, 0.2724

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.



48.9576, 0.4150, 0.3131



48.9576, 0.2632, 0.4009



48.9576, 0.2898, 0.2395

Square

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



48.9576, 0.2632, 0.4009



48.9576, 0.2045, 0.2383



48.9576, 0.3564, 0.2698



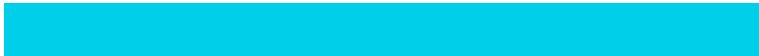
48.9576, 0.4302, 0.4101

Rectangle

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



48.9576, 0.2632, 0.4009



48.9576, 0.2019, 0.2916



48.9576, 0.3564, 0.2698



48.9576, 0.4377, 0.3458

Sweetspot

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



48.9596, 0.2632, 0.4009



91.2477, 0.2947, 0.3470



49.9765, 0.3340, 0.5053



19.2695, 0.2919, 0.3503



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.



48.9596, 0.2632, 0.4009



76.4184, 0.2591, 0.4191



44.1855, 0.2345, 0.3076



13.3286, 0.3032, 0.3379



29.1364, 0.2601, 0.4562



1.6443, 0.2528, 0.4301

Inverse Universe

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



20.8934, 0.4266, 0.2724



27.7239, 0.4652, 0.2671



22.3561, 0.4883, 0.3466



11.8807, 0.3232, 0.3203



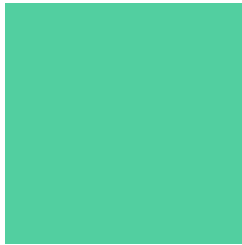
8.7199, 0.5458, 0.2780



0.5028, 0.4958, 0.2505

Previews

White Background



This preview shows how the Yxy color 48.9576, 0.2632, 0.4009 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 48.9576, 0.2632, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

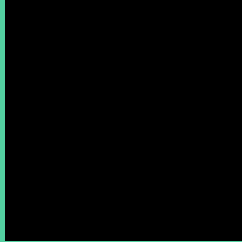
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9576, 0.2632, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 48.9576, 0.2632, 0.4009.

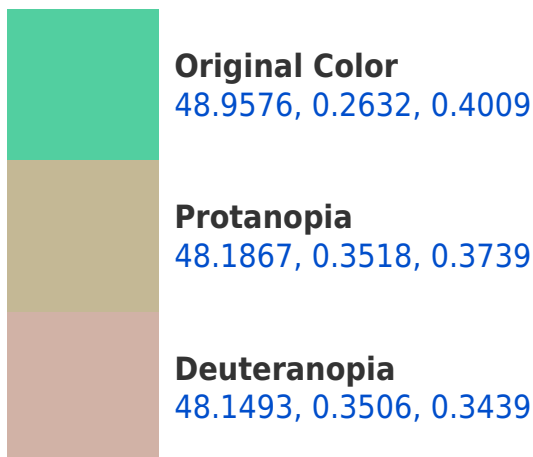


This preview shows how white text looks on a background with the Yxy color 48.9576, 0.2632, 0.4009.

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

49.0331, 0.2403, 0.3067

Trichromacy



Original Color

48.9576, 0.2632, 0.4009



Protanomaly

46.9677, 0.3117, 0.3841



Deuteranomaly

46.8621, 0.3103, 0.3635



Tritanomaly

49.0771, 0.2481, 0.3389

Monochromacy



Original Color

48.9576, 0.2632, 0.4009



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.3552, 0.2878, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9576, 0.2632, 0.4009 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(82, 207, 160)` looks like.

```
.text, #text, p{  
    color:rgb(82, 207, 160)  
}
```

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(82, 207, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 207, 160) }
```

Border

The CSS property to change the border of an element to Yxy 48.9576, 0.2632, 0.4009 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(82, 207, 160) }
```

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

```
.border{ border-color:rgb(82, 207, 160) }
```

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

Here you see how a box with a 4 pixel rgb(82, 207, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 207, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 207, 160);  
box-shadow:4px 4px 4px 4px rgb(82, 207,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9576, 0.2632, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 207, 160) }
```

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

```
.background{ background-color: rgb(82, 207,  
160) }
```

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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