

Converting Colors

$Y_{xy}(50.0588, 0.2563, 0.3704)$

Have a look what the booklet for
Yxy(50.0588, 0.2563, 0.3704)
contains.

Yxy(50.0540, 0.2564, 0.3702)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.0540, 0.2564, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	5ACFB3
RGB	90, 207, 179
RGB Percent	35%, 81%, 70%
CMY	0.6470, 0.1882, 0.2980
CMYK	0.57, 0.00, 0.14, 0.19
HSL	166°, 55%, 58%
HSV	166°, 57%, 81%
XYZ	34.6673, 50.0540, 50.4867
YIQ	168.8250, -60.7440, -33.5120

Conversions

Conversions Part 2

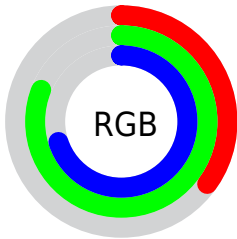
Format	Color
RYB	90, 156, 207
Decimal	5951411
CIELab	76.10, -39.75, 4.00
CIELCh	76, 39.950, 174.257
Yxy	50.0540, 0.2564, 0.3702
Android (android.graphics.Color)	4284141491 (0xFF5ACFB3)
YUV	168.8250, 5.0163, -69.1295
Hunter-Lab	70.7489, -36.3445, 7.2146

Details

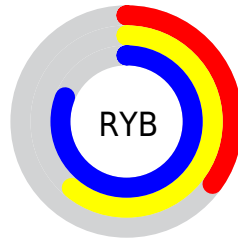
The Yxy color **50.0540, 0.2564, 0.3702** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **21.8883, 0.4402, 0.2950**, and the grayscale version is **39.5852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9077, 0.2648, 0.3518**, and **24.0340, 0.2412, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **48.9615, 0.2510, 0.3789**, and if you desaturate by 10%, it is **51.4467, 0.2636, 0.3618**.

Distribution



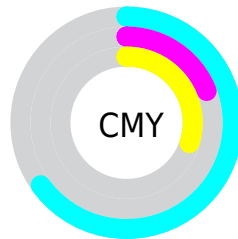
- Red (35%)
- Green (81%)
- Blue (70%)



- Red (35%)
- Yellow (61%)
- Blue (81%)



- Cyan (57%)
- Magenta (0%)
- Yellow (14%)
- Black (19%)



- Cyan (65%)
- Magenta (19%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0540, 0.2564, 0.3702 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 50.0540, 0.2564, 0.3702 by changing the saturation by 10% instead.


 50.0540, 0.2564,
0.3702

 50.0540, 0.2564,
0.3702


386.8771, 0.2843,
0.3495

 35.4563, 0.2496,
0.3754


 90.2549, 0.2664,
0.3627


 24.0146, 0.2408,
0.3820


 116.6269, 0.2702,
0.3598

 15.3444, 0.2294,
0.3909


 147.6924, 0.2735,
0.3575

 9.0615, 0.2137,
0.4033

 183.8359, 0.2762,
0.3554

 4.7813, 0.1909,
0.4217

225.4417, 0.2786,
0.3537

 2.1195, 0.1545,
0.4523

272.8942, 0.2807,

 0.6756, 0.0000,

0.3521

0.5970

326.5779, 0.2826,
0.3507

0.0000, 0.0000,
0.0000

50.0540, 0.2564,
0.3702

50.0540, 0.2564,
0.3702

48.9615, 0.2510,
0.3789

51.4467, 0.2636,
0.3618

48.1384, 0.2476,
0.3878

53.1554, 0.2723,
0.3537

47.5580, 0.2461,
0.3967

55.2021, 0.2823,
0.3462

47.1832, 0.2465,
0.4055

57.6048, 0.2932,
0.3392

47.0771, 0.2468,
0.4086

60.3805, 0.3049,
0.3328

■ 63.5449, 0.3170,
0.3271

■ 67.1129, 0.3292,
0.3219

■ 70.9817, 0.3410,
0.3173

■ 71.2460, 0.3373,
0.3123

Harmonies

Analogous

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



50.0540, 0.3052, 0.4146



50.0540, 0.2564, 0.3702



50.0540, 0.2243, 0.3150

Triad

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



50.0540, 0.2564, 0.3702



50.0540, 0.2620, 0.2441



50.0540, 0.4214, 0.3736

Complementary

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



50.0540, 0.2564, 0.3702



21.8883, 0.4402, 0.2950

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.



50.0540, 0.4093, 0.3309



50.0540, 0.2564, 0.3702



50.0540, 0.3128, 0.2600

Square

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



50.0540, 0.2564, 0.3702



50.0540, 0.2276, 0.2469



50.0540, 0.3680, 0.2908



50.0540, 0.4017, 0.4101

Rectangle

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



50.0540, 0.2564, 0.3702



50.0540, 0.2152, 0.2834



50.0540, 0.3680, 0.2908



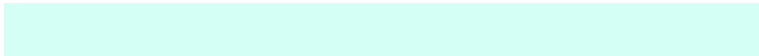
50.0540, 0.4211, 0.3595

Sweetspot

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



50.0560, 0.2564, 0.3702



92.0349, 0.2924, 0.3397



49.3054, 0.3225, 0.4999



19.5233, 0.2902, 0.3411



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.



50.0560, 0.2564, 0.3702



78.1260, 0.2501, 0.3810



38.4227, 0.2330, 0.2855



13.3567, 0.3014, 0.3346



29.6755, 0.2465, 0.4074



1.6712, 0.2420, 0.3912

Inverse Universe

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



21.8883, 0.4402, 0.2950



28.6667, 0.4866, 0.2918



27.2598, 0.4585, 0.3654



11.8540, 0.3253, 0.3235



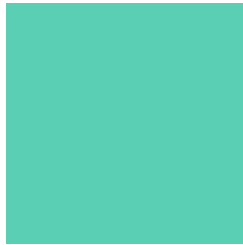
8.5128, 0.5947, 0.3050



0.4887, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 50.0540, 0.2564, 0.3702 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 50.0540, 0.2564, 0.3702 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

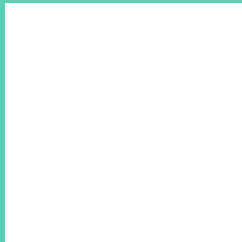
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0540, 0.2564, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 50.0540, 0.2564, 0.3702.

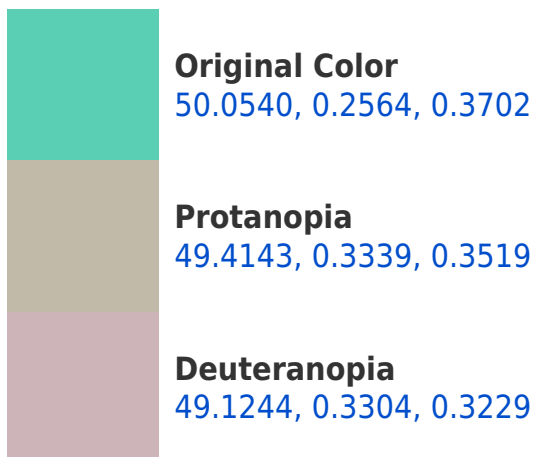


This preview shows how white text looks on a background with the Yxy color 50.0540, 0.2564, 0.3702.

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

49.7188, 0.2405, 0.3056

Trichromacy



Original Color

50.0540, 0.2564, 0.3702



Protanomaly

48.6301, 0.2988, 0.3593



Deuteranomaly

48.0323, 0.2963, 0.3384



Tritanomaly

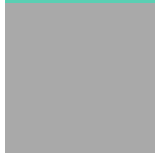
49.6682, 0.2458, 0.3274

Monochromacy



Original Color

50.0540, 0.2564, 0.3702



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

42.4596, 0.2855, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0540, 0.2564, 0.3702 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(90, 207, 179)` looks like.

```
.text, #text, p{  
    color:rgb(90, 207, 179)  
}
```

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(90, 207, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 207, 179) }
```

Border

The CSS property to change the border of an element to Yxy 50.0540, 0.2564, 0.3702 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(90, 207, 179) }
```

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

```
.border{ border-color:rgb(90, 207, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 207, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 207, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 207, 179);  
box-shadow:4px 4px 4px 4px rgb(90, 207,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0540, 0.2564, 0.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 207, 179) }
```

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

```
.background{ background-color: rgb(90, 207,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor