

Converting Colors

$Y_{xy}(43.0500, 0.3106, 0.5226)$

Have a look what the booklet for
Yxy(43.0500, 0.3106, 0.5226)
contains.

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Color

Yxy(43.0338, 0.3107, 0.5220)

Conversions

Conversions Part 1

Format	Color
Hex	59C64C
RGB	89, 198, 76
RGB Percent	35%, 78%, 30%
CMY	0.6512, 0.2235, 0.7020
CMYK	0.55, 0.00, 0.62, 0.22
HSL	114°, 52%, 54%
HSV	114°, 62%, 78%
XYZ	25.6142, 43.0338, 13.7923
YIQ	151.5010, -25.8020, -61.0500

Conversions

Conversions Part 2

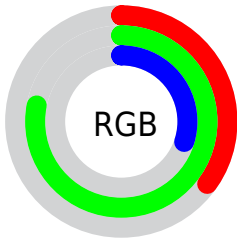
Format	Color
RYB	76, 198, 185
Decimal	5883468
CIELab	71.58, -54.53, 50.55
CIELCh	72, 74.358, 137.167
Yxy	43.0338, 0.3107, 0.5220
Android (android.graphics.Color)	4284073548 (0xFF59C64C)
YUV	151.5010, -37.2220, -54.8134
Hunter-Lab	65.6002, -45.1033, 33.4545

Details

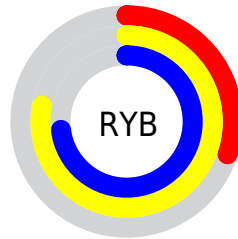
The Yxy color **43.0338, 0.3107, 0.5220** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **19.5677, 0.3041, 0.1814**, and the grayscale version is **31.3393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4009, 0.3153, 0.4821**, and **19.7701, 0.2989, 0.5856** is the 20% darker color. If you saturate the color by 10%, you get **42.0291, 0.3088, 0.5516**, and if you desaturate by 10%, it is **44.3373, 0.3121, 0.4886**.

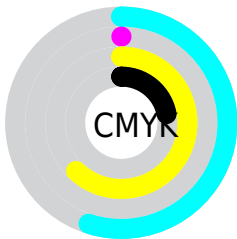
Distribution



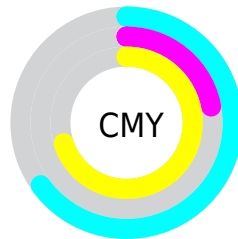
- Red (35%)
- Green (78%)
- Blue (30%)



- Red (30%)
- Yellow (78%)
- Blue (73%)



- Cyan (55%)
- Magenta (0%)
- Yellow (62%)
- Black (22%)




- Cyan (65%)
- Magenta (22%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0338, 0.3107, 0.5220 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 43.0338, 0.3107, 0.5220 by changing the saturation by 10% instead.


 43.0338, 0.3107,
0.5220


 43.0338, 0.3107,
0.5220


358.7508, 0.3179,
0.4175


 29.9116, 0.3063,
0.5497


 79.7619, 0.3151,
0.4826


 19.7715, 0.2988,
0.5855


 104.1366, 0.3162,
0.4682


 12.2291, 0.2857,
0.6328


 133.0309, 0.3169,
0.4562

 6.8999, 0.2657,
0.7065

 166.8292, 0.3174,
0.4460

 3.3996, 0.2172,
0.7828

 205.9160, 0.3177,
0.4373

 1.3437, 0.0000,
1.0000

250.6756, 0.3178,

 0.1747, 0.0000,

0.4298

1.0000

301.4924, 0.3179,
0.4233

■ 0.0000, 0.0000,
0.0000

■ 43.0338, 0.3107,
0.5220

■ 43.0338, 0.3107,
0.5220

■ 42.0291, 0.3088,
0.5516

■ 44.3373, 0.3121,
0.4886

■ 41.2943, 0.3066,
0.5749

■ 45.9551, 0.3130,
0.4539

■ 40.8043, 0.3041,
0.5905

■ 47.9079, 0.3134,
0.4199

■ 40.5524, 0.3024,
0.5981

■ 50.2131, 0.3135,
0.3879

■ 52.8870, 0.3132,
0.3588

■ 55.9449, 0.3128,
0.3329

■ 59.4010, 0.3122,
0.3101

■ 63.2691, 0.3116,
0.2903

■ 67.5620, 0.3109,
0.2731

Harmonies

Analogous

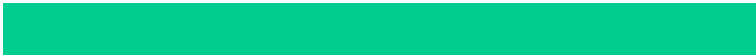
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0338, 0.4060, 0.5113



43.0338, 0.3107, 0.5220



43.0338, 0.2208, 0.4404

Triad

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



43.0338, 0.3107, 0.5220



43.0338, 0.1550, 0.1865



43.0338, 0.4870, 0.3054

Complementary

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



43.0338, 0.3107, 0.5220



19.5677, 0.3041, 0.1814

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.



43.0338, 0.3930, 0.2441



43.0338, 0.3107, 0.5220



43.0338, 0.2015, 0.1789

Square

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



43.0338, 0.3107, 0.5220



43.0338, 0.1415, 0.2292



43.0338, 0.2841, 0.1994



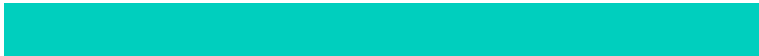
43.0338, 0.5191, 0.3746

Rectangle

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



43.0338, 0.3107, 0.5220



43.0338, 0.1770, 0.3575



43.0338, 0.2841, 0.1994



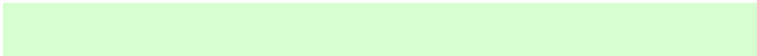
43.0338, 0.4608, 0.2838

Sweetspot

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



43.0356, 0.3107, 0.5220



90.4202, 0.3134, 0.3778



46.7164, 0.4085, 0.4577



19.0675, 0.3135, 0.3867



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.



43.0356, 0.3107, 0.5220



73.9109, 0.3081, 0.5605



43.3533, 0.2793, 0.4530



11.9408, 0.3132, 0.3528



26.3876, 0.3029, 0.5977



1.2681, 0.3117, 0.5907

Inverse Universe

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



19.5677, 0.3041, 0.1814



28.8092, 0.3008, 0.1597



19.4174, 0.3822, 0.2357



10.7573, 0.3121, 0.3061



8.7515, 0.2946, 0.1396



0.4312, 0.3004, 0.1429

Previews

White Background



This preview shows how the Yxy color 43.0338, 0.3107, 0.5220 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 43.0338, 0.3107, 0.5220 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 43.0338, 0.3107, 0.5220

Background



This preview shows how black text looks on a background with the Yxy color 43.0338, 0.3107, 0.5220.



This preview shows how white text looks on a background with the Yxy color 43.0338, 0.3107, 0.5220.

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



Original Color

43.0338, 0.3107, 0.5220

Protanopia

42.1711, 0.4163, 0.4565

Deuteranopia

42.2405, 0.4306, 0.4225



Tritanopia

42.9328, 0.2521, 0.3087

Trichromacy



Original Color

43.0338, 0.3107, 0.5220



Protanomaly

41.4028, 0.3714, 0.4833



Deuteranomaly

40.8850, 0.3808, 0.4605



Tritanomaly

42.2576, 0.2750, 0.3838

Monochromacy



Original Color

43.0338, 0.3107, 0.5220



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.0497, 0.3129, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0338, 0.3107, 0.5220 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(89, 198, 76)` looks like.

```
.text, #text, p{  
    color:rgb(89, 198, 76)  
}
```

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(89, 198, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 198, 76) }
```

Border

The CSS property to change the border of an element to Yxy 43.0338, 0.3107, 0.5220 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(89, 198, 76) }
```

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

```
.border{ border-color:rgb(89, 198, 76) }
```

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

Here you see how a box with a 4 pixel rgb(89, 198, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 198, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 198, 76);  
box-shadow:4px 4px 4px 4px rgb(89, 198,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0338, 0.3107, 0.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 198, 76) }
```

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

```
.background{ background-color: rgb(89, 198,  
76) }
```

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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