

Converting Colors

Yxy(38.3216, 0.3263, 0.5149)

Have a look what the booklet for
Yxy(38.3216, 0.3263, 0.5149)
contains.

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Color

Yxy(38.4905, 0.3263, 0.5159)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 68BA45 |
| RGB | 104, 186, 69 |
| RGB Percent | 41%, 73%, 27% |
| CMY | 0.5920, 0.2706, 0.7295 |
| CMYK | 0.44, 0.00, 0.63, 0.27 |
| HSL | 102°, 46%, 50% |
| HSV | 102°, 63%, 73% |
| XYZ | 24.3447, 38.4905, 11.7732 |
| YIQ | 148.1440, -11.3150, -53.7710 |

Conversions

Conversions Part 2

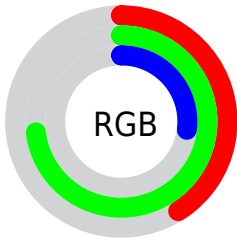
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 69, 186, 151 |
| Decimal | 6863429 |
| CIELab | 68.38, -46.17, 50.20 |
| CIElCh | 68, 68.208, 132.607 |
| Yxy | 38.4905, 0.3263, 0.5159 |
| Android (android.graphics.Color) | 4285053509 (0xFF68BA45) |
| YUV | 148.1440, -39.0180, -38.7143 |
| Hunter-Lab | 62.0407, -38.5280, 32.1773 |

Details

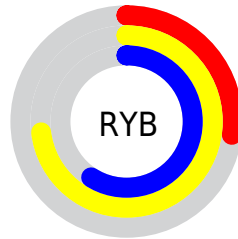
The Yxy color **38.4905, 0.3263, 0.5159** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **14.3733, 0.2758, 0.1670**, and the grayscale version is **29.8508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9799, 0.3274, 0.4773**, and **17.1031, 0.3186, 0.5779** is the 20% darker color. If you saturate the color by 10%, you get **37.5756, 0.3247, 0.5433**, and if you desaturate by 10%, it is **39.6015, 0.3264, 0.4851**.

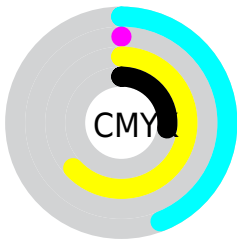
Distribution



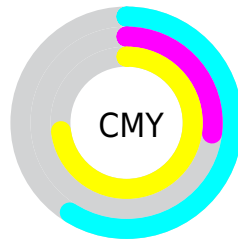
- Red (41%)
- Green (73%)
- Blue (27%)



- Red (27%)
- Yellow (73%)
- Blue (59%)



- Cyan (44%)
- Magenta (0%)
- Yellow (63%)
- Black (27%)



- Cyan (59%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4905, 0.3263, 0.5159 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 38.4905, 0.3263, 0.5159 by changing the saturation by 10% instead.

 38.4905, 0.3263,
0.5159


 38.4905, 0.3263,
0.5159


339.7194, 0.3254,
0.4140

 26.3636, 0.3237,
0.5430


 72.8593, 0.3278,
0.4773

 17.0958, 0.3183,
0.5782

 95.8700, 0.3278,
0.4632

 10.3029, 0.3073,
0.6245


 123.2775, 0.3276,
0.4515

 5.6002, 0.2933,
0.7067

 155.4661, 0.3272,
0.4417

 2.6035, 0.2366,
0.7634

 192.8201, 0.3268,
0.4332

 0.9284, 0.0000,
1.0000

235.7241, 0.3263,

 0.0000, 0.0000,

0.4260

0.0000

284.5624, 0.3258,
0.4196

■ 38.4905, 0.3263,
0.5159

■ 38.4905, 0.3263,
0.5159

■ 37.5756, 0.3247,
0.5433

■ 39.6015, 0.3264,
0.4851

■ 36.8394, 0.3217,
0.5654

■ 40.9150, 0.3253,
0.4529

■ 36.2692, 0.3173,
0.5810

■ 42.4430, 0.3232,
0.4209

■ 35.9501, 0.3141,
0.5888

■ 44.1950, 0.3204,
0.3903

■ 46.1800, 0.3172,
0.3619

■ 48.4065, 0.3137,
0.3360

■ 50.8825, 0.3102,
0.3128

■ 53.6157, 0.3067,
0.2923

■ 56.6132, 0.3034,
0.2741

Harmonies

Analogous

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



38.4905, 0.4167, 0.4969



38.4905, 0.3263, 0.5159



38.4905, 0.2371, 0.4508

Triad

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



38.4905, 0.3263, 0.5159



38.4905, 0.1567, 0.1960



38.4905, 0.4682, 0.2975

Complementary

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



38.4905, 0.3263, 0.5159



14.3733, 0.2758, 0.1670

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.



38.4905, 0.3734, 0.2397



38.4905, 0.3263, 0.5159



38.4905, 0.1969, 0.1837

Square

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



38.4905, 0.3263, 0.5159



38.4905, 0.1485, 0.2440



38.4905, 0.2715, 0.1996



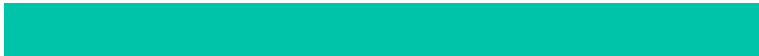
38.4905, 0.5099, 0.3640

Rectangle

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



38.4905, 0.3263, 0.5159



38.4905, 0.1910, 0.3745



38.4905, 0.2715, 0.1996



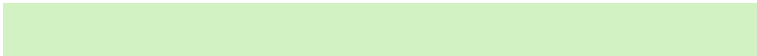
38.4905, 0.4405, 0.2769

Sweetspot

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



38.4921, 0.3263, 0.5159



81.3521, 0.3193, 0.3798



32.9676, 0.4281, 0.4359



17.6949, 0.3202, 0.3882



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4921, 0.3263, 0.5159



67.6297, 0.3238, 0.5513



37.1614, 0.2914, 0.4932



10.1870, 0.3160, 0.3523



24.2210, 0.3149, 0.5882



0.8871, 0.3360, 0.5714

Inverse Universe

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



14.3733, 0.2758, 0.1670



20.3855, 0.2650, 0.1407



17.3230, 0.3507, 0.2098



9.0241, 0.3091, 0.3061



5.6332, 0.2473, 0.1136



0.2291, 0.2670, 0.1245

Previews

White Background



This preview shows how the Yxy color 38.4905, 0.3263, 0.5159 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 38.4905, 0.3263, 0.5159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

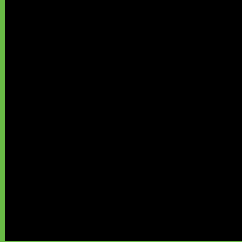
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4905, 0.3263, 0.5159

Background



This preview shows how black text looks on a background with the Yxy color 38.4905, 0.3263, 0.5159.



This preview shows how white text looks on a background with the Yxy color 38.4905, 0.3263, 0.5159.

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

38.4905, 0.3263, 0.5159

Protanopia

37.9456, 0.4177, 0.4589

Deuteranopia

37.9829, 0.4345, 0.4255



Tritanopia

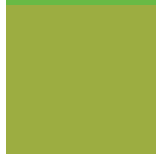
38.1880, 0.2624, 0.3081

Trichromacy



Original Color

38.4905, 0.3263, 0.5159



Protanomaly

37.3367, 0.3816, 0.4812



Deuteranomaly

36.8381, 0.3910, 0.4584



Tritanomaly

37.6670, 0.2877, 0.3820

Monochromacy



Original Color

38.4905, 0.3263, 0.5159



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.0781, 0.3215, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4905, 0.3263, 0.5159 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(104, 186, 69)` looks like.

```
.text, #text, p{  
    color:rgb(104, 186, 69)  
}
```

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(104, 186, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 186, 69) }
```

Border

The CSS property to change the border of an element to Yxy 38.4905, 0.3263, 0.5159 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(104, 186, 69) }
```

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

```
.border{ border-color:rgb(104, 186, 69) }
```

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

Here you see how a box with a 4 pixel rgb(104, 186, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 186, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 186, 69);  
box-shadow:4px 4px 4px 4px rgb(104, 186,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4905, 0.3263, 0.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 186, 69) }
```

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

```
.background{ background-color: rgb(104,  
186, 69) }
```

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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