

Converting Colors

$Yxy(35.0438, 0.3053, 0.4875)$

Have a look what the booklet for
Yxy(35.0438, 0.3053, 0.4875)
contains.

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Color

Yxy(35.0195, 0.3053, 0.4880)

Conversions

Conversions Part 1

Format	Color
Hex	58B358
RGB	88, 179, 88
RGB Percent	35%, 70%, 35%
CMY	0.6547, 0.2980, 0.6550
CMYK	0.51, 0.00, 0.51, 0.30
HSL	120°, 37%, 52%
HSV	120°, 51%, 70%
XYZ	21.9087, 35.0195, 14.8331
YIQ	141.4170, -25.0250, -47.5930

Conversions

Conversions Part 2

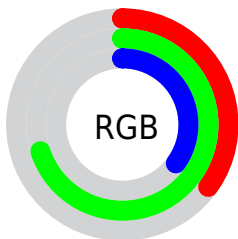
Format	Color
RYB	88, 179, 179
Decimal	5813080
CIELab	65.76, -45.86, 38.06
CIELCh	66, 59.599, 140.308
Yxy	35.0195, 0.3053, 0.4880
Android (android.graphics.Color)	4284003160 (0xFF58B358)
YUV	141.4170, -26.3346, -46.8467
Hunter-Lab	59.1773, -37.4756, 26.5628

Details

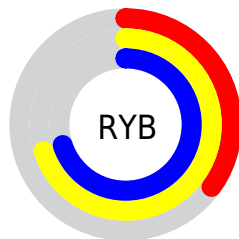
The Yxy color **35.0195, 0.3053, 0.4880** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.8072, 0.3183, 0.2087**, and the grayscale version is **26.9258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2394, 0.3093, 0.4526**, and **15.0204, 0.2944, 0.5459** is the 20% darker color. If you saturate the color by 10%, you get **33.9910, 0.3037, 0.5223**, and if you desaturate by 10%, it is **36.3380, 0.3070, 0.4525**.

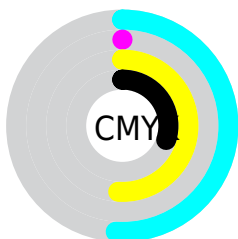
Distribution



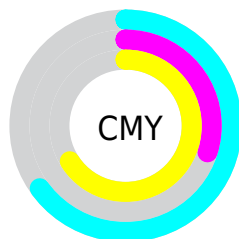
- Red (35%)
- Green (70%)
- Blue (35%)



- Red (35%)
- Yellow (70%)
- Blue (70%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (30%)





- Cyan (65%)
- Magenta (30%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0195, 0.3053, 0.4880 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 35.0195, 0.3053, 0.4880 by changing the saturation by 10% instead.

 35.0195, 0.3053,
0.4880


 35.0195, 0.3053,
0.4880


324.6544, 0.3132,
0.3992

 23.6779, 0.3014,
0.5132

 67.5160, 0.3095,
0.4535

 15.0949, 0.2949,
0.5471


 89.4396, 0.3106,
0.4412


 8.8860, 0.2834,
0.5945


 115.6594, 0.3114,
0.4310

 4.6669, 0.2643,
0.6718

 146.5598, 0.3120,
0.4226

 2.0532, 0.2080,
0.7920

 182.5251, 0.3124,
0.4154

 0.6381, 0.0000,
1.0000

223.9396, 0.3127,

 0.0000, 0.0000,

0.4092

0.0000

271.1880, 0.3130,
0.4039

■ 35.0195, 0.3053,
0.4880

■ 35.0195, 0.3053,
0.4880

■ 33.9910, 0.3037,
0.5223

■ 36.3380, 0.3070,
0.4525

■ 33.2266, 0.3023,
0.5526

■ 37.9612, 0.3086,
0.4179

■ 32.7035, 0.3011,
0.5764

■ 39.9082, 0.3101,
0.3857

■ 32.3928, 0.3004,
0.5919

■ 42.1952, 0.3114,
0.3567

■ 32.2405, 0.3000,
0.6000

■ 44.8372, 0.3126,
0.3310

■ 47.8486, 0.3137,
0.3087

■ 51.2428, 0.3146,
0.2895

■ 55.0325, 0.3153,
0.2730

■ 59.2300, 0.3160,
0.2588

Harmonies

Analogous

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



35.0195, 0.3901, 0.4921



35.0195, 0.3053, 0.4880



35.0195, 0.2270, 0.4128

Triad

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



35.0195, 0.3053, 0.4880



35.0195, 0.1754, 0.2013



35.0195, 0.4686, 0.3170

Complementary

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



35.0195, 0.3053, 0.4880



19.8072, 0.3183, 0.2087

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.



35.0195, 0.3923, 0.2599



35.0195, 0.3053, 0.4880



35.0195, 0.2214, 0.1963

Square

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



35.0195, 0.3053, 0.4880



35.0195, 0.1603, 0.2376



35.0195, 0.2981, 0.2173



35.0195, 0.4921, 0.3806

Rectangle

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



35.0195, 0.3053, 0.4880



35.0195, 0.1895, 0.3441



35.0195, 0.2981, 0.2173



35.0195, 0.4478, 0.2969

Sweetspot

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



35.0210, 0.3053, 0.4880



73.6901, 0.3109, 0.3690



41.9228, 0.3868, 0.4483



16.1383, 0.3106, 0.3751



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.0210, 0.3053, 0.4880



60.6919, 0.3035, 0.5261



35.9788, 0.2769, 0.4099



9.4904, 0.3116, 0.3525



22.7832, 0.3000, 0.6000



0.7169, 0.3001, 0.5999

Inverse Universe

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



19.8072, 0.3183, 0.2087



30.3733, 0.3192, 0.1881



18.3097, 0.3788, 0.2622



8.6464, 0.3138, 0.3066



9.0617, 0.3207, 0.1541



0.2852, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 35.0195, 0.3053, 0.4880 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 35.0195, 0.3053, 0.4880 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 35.0195, 0.3053, 0.4880

Background



This preview shows how black text looks on a background with the Yxy color 35.0195, 0.3053, 0.4880.



This preview shows how white text looks on a background with the Yxy color 35.0195, 0.3053, 0.4880.

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

35.0195, 0.3053, 0.4880

Protanopia

34.5043, 0.4003, 0.4376

Deuteranopia

34.6202, 0.4124, 0.4047



Tritanopia

34.9415, 0.2545, 0.3086

Trichromacy



Original Color

35.0195, 0.3053, 0.4880



Protanomaly

33.7522, 0.3599, 0.4572



Deuteranomaly

33.5819, 0.3681, 0.4358



Tritanomaly

34.7920, 0.2734, 0.3708

Monochromacy



Original Color

35.0195, 0.3053, 0.4880



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.9854, 0.3100, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0195, 0.3053, 0.4880 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(88, 179, 88)` looks like.

```
.text, #text, p{  
    color:rgb(88, 179, 88)  
}
```

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(88, 179, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 179, 88) }
```

Border

The CSS property to change the border of an element to Yxy 35.0195, 0.3053, 0.4880 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(88, 179, 88) }
```

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

```
.border{ border-color:rgb(88, 179, 88) }
```

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

Here you see how a box with a 4 pixel rgb(88, 179, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 179, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 179, 88);  
box-shadow:4px 4px 4px 4px rgb(88, 179,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0195, 0.3053, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 179, 88) }
```

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

```
.background{ background-color: rgb(88, 179,  
88) }
```

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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