

Converting Colors

$Yxy(38.5739, 0.3028, 0.5171)$

Have a look what the booklet for
Yxy(38.5739, 0.3028, 0.5171)
contains.

Yxy(38.4818, 0.3028, 0.5167)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4818, 0.3028, 0.5167)

Conversions

Conversions Part 1

Format	Color
Hex	4CBD4E
RGB	76, 189, 78
RGB Percent	30%, 74%, 31%
CMY	0.7020, 0.2588, 0.6942
CMYK	0.60, 0.00, 0.59, 0.26
HSL	121°, 46%, 52%
HSV	121°, 60%, 74%
XYZ	22.5514, 38.4818, 13.4429
YIQ	142.5590, -31.7170, -58.4770

Conversions

Conversions Part 2

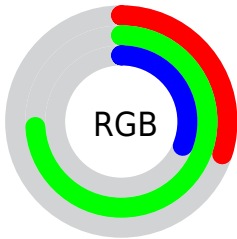
Format	Color
RYB	76, 187, 189
Decimal	5029198
CIELab	68.37, -54.14, 45.88
CIELCh	68, 70.971, 139.720
Yxy	38.4818, 0.3028, 0.5167
Android (android.graphics.Color)	4283219278 (0xFF4CBD4E)
YUV	142.5590, -31.8276, -58.3722
Hunter-Lab	62.0337, -43.6681, 30.5752

Details

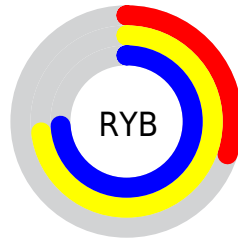
The Yxy color **38.4818, 0.3028, 0.5167** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.5736, 0.3216, 0.1934**, and the grayscale version is **27.4197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6741, 0.3084, 0.4771**, and **17.1204, 0.2941, 0.5787** is the 20% darker color. If you saturate the color by 10%, you get **37.5902, 0.3014, 0.5476**, and if you desaturate by 10%, it is **39.6791, 0.3044, 0.4824**.

Distribution



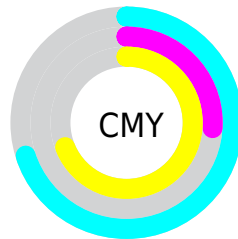
- Red (30%)
- Green (74%)
- Blue (31%)



- Red (30%)
- Yellow (73%)
- Blue (74%)



- Cyan (60%)
- Magenta (0%)
- Yellow (59%)
- Black (26%)




- Cyan (70%)
- Magenta (26%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4818, 0.3028, 0.5167 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 38.4818, 0.3028, 0.5167 by changing the saturation by 10% instead.


 38.4818, 0.3028,
0.5167


 38.4818, 0.3028,
0.5167


339.6823, 0.3136,
0.4129


 26.3568, 0.2975,
0.5453


 72.8460, 0.3085,
0.4768

 17.0908, 0.2889,
0.5830


 95.8541, 0.3101,
0.4625

 10.2992, 0.2740,
0.6341


 123.2586, 0.3112,
0.4506

 5.5978, 0.2523,
0.7204

 155.4440, 0.3120,
0.4406

 2.6021, 0.1903,
0.8097

 192.7947, 0.3126,
0.4321

 0.9277, 0.0000,
1.0000

235.6950, 0.3130,

 0.0000, 0.0000,

0.4248

0.0000

284.5294, 0.3133,
0.4185

■ 38.4818, 0.3028,
0.5167

■ 38.4818, 0.3028,
0.5167

■ 37.5902, 0.3014,
0.5476

■ 39.6791, 0.3044,
0.4824

■ 36.9725, 0.3005,
0.5726

■ 41.2011, 0.3062,
0.4472

■ 36.5983, 0.3000,
0.5896

■ 43.0709, 0.3080,
0.4132

■ 36.4086, 0.2997,
0.5988

■ 45.3081, 0.3097,
0.3818

■ 36.4053, 0.2997,
0.5989

■ 47.9309, 0.3113,
0.3535

■ 50.9563, 0.3127,
0.3285

■ 54.4001, 0.3140,
0.3069

■ 58.2777, 0.3152,
0.2882

■ 62.6031, 0.3162,
0.2722

Harmonies

Analogous

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



38.4818, 0.3980, 0.5136



38.4818, 0.3028, 0.5167



38.4818, 0.2152, 0.4292

Triad

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



38.4818, 0.3028, 0.5167



38.4818, 0.1587, 0.1857



38.4818, 0.4909, 0.3114

Complementary

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



38.4818, 0.3028, 0.5167



19.5736, 0.3216, 0.1934

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.



38.4818, 0.4016, 0.2495



38.4818, 0.3028, 0.5167



38.4818, 0.2080, 0.1807

Square

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



38.4818, 0.3028, 0.5167



38.4818, 0.1426, 0.2249



38.4818, 0.2930, 0.2033



38.4818, 0.5168, 0.3807

Rectangle

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



38.4818, 0.3028, 0.5167



38.4818, 0.1738, 0.3471



38.4818, 0.2930, 0.2033



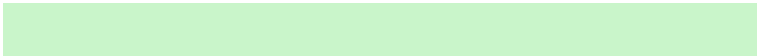
38.4818, 0.4667, 0.2896

Sweetspot

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



38.4834, 0.3028, 0.5167



81.8062, 0.3100, 0.3773



47.4998, 0.3947, 0.4684



17.3194, 0.3095, 0.3860



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.



38.4834, 0.3028, 0.5167



66.8960, 0.3011, 0.5568



39.6654, 0.2708, 0.4212



10.6523, 0.3114, 0.3523



24.4940, 0.2996, 0.5986



0.9604, 0.2982, 0.5934

Inverse Universe

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



19.5736, 0.3216, 0.1934



29.9682, 0.3232, 0.1740



17.6137, 0.4033, 0.2570



9.6933, 0.3140, 0.3068



9.6558, 0.3253, 0.1566



0.3792, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 38.4818, 0.3028, 0.5167 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 38.4818, 0.3028, 0.5167 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 38.4818, 0.3028, 0.5167

Background



This preview shows how black text looks on a background with the Yxy color 38.4818, 0.3028, 0.5167.



This preview shows how white text looks on a background with the Yxy color 38.4818, 0.3028, 0.5167.

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

38.4818, 0.3028, 0.5167

Protanopia

37.9177, 0.4116, 0.4518

Deuteranopia

37.8383, 0.4253, 0.4172



Tritanopia

38.1336, 0.2475, 0.3061

Trichromacy



Original Color

38.4818, 0.3028, 0.5167



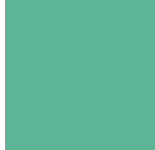
Protanomaly

36.7863, 0.3646, 0.4781



Deuteranomaly

36.1841, 0.3726, 0.4541



Tritanomaly

37.6093, 0.2679, 0.3785

Monochromacy



Original Color

38.4818, 0.3028, 0.5167



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.3955, 0.3094, 0.4000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4818, 0.3028, 0.5167 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(76, 189, 78)` looks like.

```
.text, #text, p{  
    color:rgb(76, 189, 78)  
}
```

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(76, 189, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 189, 78) }
```

Border

The CSS property to change the border of an element to Yxy 38.4818, 0.3028, 0.5167 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(76, 189, 78) }
```

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

```
.border{ border-color:rgb(76, 189, 78) }
```

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

Here you see how a box with a 4 pixel rgb(76, 189, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 189, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 189, 78);  
box-shadow:4px 4px 4px 4px rgb(76, 189,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4818, 0.3028, 0.5167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 189, 78) }
```

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

```
.background{ background-color: rgb(76, 189,  
78) }
```

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