

Converting Colors

Yxy(46.1642, 0.3039, 0.5183)

Have a look what the booklet for
Yxy(46.1642, 0.3039, 0.5183)
contains.

Yxy(46.1876, 0.3038, 0.5181)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.1876, 0.3038, 0.5181)

Conversions

Conversions Part 1

Format	Color
Hex	54CD54
RGB	84, 205, 84
RGB Percent	33%, 80%, 33%
CMY	0.6709, 0.1960, 0.6705
CMYK	0.59, 0.00, 0.59, 0.20
HSL	120°, 55%, 57%
HSV	120°, 59%, 80%
XYZ	27.0832, 46.1876, 15.8773
YIQ	155.0270, -33.2750, -63.2830

Conversions

Conversions Part 2

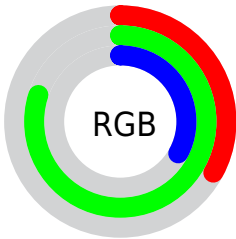
Format	Color
RYB	84, 205, 205
Decimal	5557588
CIELab	73.67, -57.48, 49.33
CIELCh	74, 75.741, 139.361
Yxy	46.1876, 0.3038, 0.5181
Android (android.graphics.Color)	4283747668 (0xFF54CD54)
YUV	155.0270, -35.0163, -62.2907
Hunter-Lab	67.9615, -47.7989, 33.7216

Details

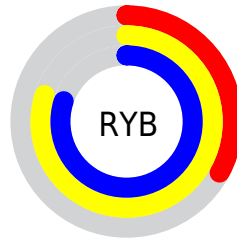
The Yxy color **46.1876, 0.3038, 0.5181** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **23.7141, 0.3192, 0.1924**, and the grayscale version is **32.9531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2554, 0.3095, 0.4738**, and **21.9064, 0.2938, 0.5778** is the 20% darker color. If you saturate the color by 10%, you get **45.1034, 0.3023, 0.5493**, and if you desaturate by 10%, it is **47.6462, 0.3054, 0.4832**.

Distribution



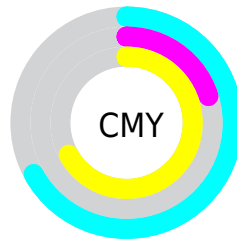
- Red (33%)
- Green (80%)
- Blue (33%)



- Red (33%)
- Yellow (80%)
- Blue (80%)



- Cyan (59%)
- Magenta (0%)
- Yellow (59%)
- Black (20%)





- Cyan (67%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1876, 0.3038, 0.5181 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 46.1876, 0.3038, 0.5181 by changing the saturation by 10% instead.

 46.1876, 0.3038,
0.5181


 46.1876, 0.3038,
0.5181


371.5624, 0.3141,
0.4164

 32.3939, 0.2989,
0.5449


 84.4997, 0.3091,
0.4799

 21.6625, 0.2912,
0.5796


 109.7869, 0.3107,
0.4659


 13.6091, 0.2784,
0.6256

 139.6740, 0.3117,
0.4542

 7.8493, 0.2567,
0.6898

 174.5454, 0.3125,
0.4443

 3.9987, 0.2176,
0.7824

 214.7855, 0.3131,
0.4358

 1.6728, 0.0205,
0.9795

260.7788, 0.3135,

 0.4060, 0.0000,

0.4285

1.0000

312.9096, 0.3138,
0.4221

■ 0.0000, 0.0000,
0.0000

■ 46.1876, 0.3038,
0.5181

■ 46.1876, 0.3038,
0.5181

■ 45.1034, 0.3023,
0.5493

■ 47.6462, 0.3054,
0.4832

■ 44.3545, 0.3012,
0.5742

■ 49.5027, 0.3071,
0.4474

■ 43.9033, 0.3004,
0.5908

■ 51.7856, 0.3088,
0.4128

■ 43.6847, 0.3000,
0.5993

■ 54.5190, 0.3103,
0.3808

■ 43.6681, 0.3000,
0.6000

■ 57.7253, 0.3116,
0.3520

■ 61.4253, 0.3128,
0.3268

■ 65.6386, 0.3139,
0.3049

■ 70.3839, 0.3148,
0.2860

■ 72.1478, 0.3150,
0.2802

Harmonies

Analogous

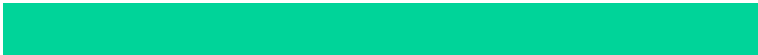
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.1876, 0.3992, 0.5138



46.1876, 0.3038, 0.5181



46.1876, 0.2157, 0.4311

Triad

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



46.1876, 0.3038, 0.5181



46.1876, 0.1578, 0.1855



46.1876, 0.4909, 0.3105

Complementary

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



46.1876, 0.3038, 0.5181



23.7141, 0.3192, 0.1924

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.



46.1876, 0.4006, 0.2485



46.1876, 0.3038, 0.5181



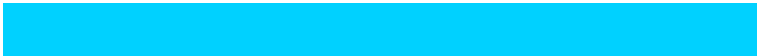
46.1876, 0.2068, 0.1801

Square

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



46.1876, 0.3038, 0.5181



46.1876, 0.1421, 0.2251



46.1876, 0.2917, 0.2024



46.1876, 0.5176, 0.3798

Rectangle

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



46.1876, 0.3038, 0.5181



46.1876, 0.1739, 0.3485



46.1876, 0.2917, 0.2024



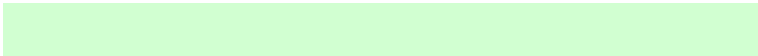
46.1876, 0.4663, 0.2887

Sweetspot

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



46.1895, 0.3038, 0.5181



89.6999, 0.3104, 0.3782



57.2874, 0.3960, 0.4666



18.8962, 0.3100, 0.3873



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.



46.1895, 0.3038, 0.5181



73.4693, 0.3020, 0.5572



47.5772, 0.2721, 0.4237



12.5371, 0.3116, 0.3529



27.1819, 0.3000, 0.5999



1.4023, 0.2999, 0.5998

Inverse Universe

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



23.7141, 0.3192, 0.1924



33.3626, 0.3202, 0.1731



21.3380, 0.3993, 0.2550



11.4036, 0.3138, 0.3062



10.8197, 0.3211, 0.1543



0.5582, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 46.1876, 0.3038, 0.5181 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 46.1876, 0.3038, 0.5181 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 46.1876, 0.3038, 0.5181

Background



This preview shows how black text looks on a background with the Yxy color 46.1876, 0.3038, 0.5181.



This preview shows how white text looks on a background with the Yxy color 46.1876, 0.3038, 0.5181.

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

46.1876, 0.3038, 0.5181

Protanopia

45.4437, 0.4132, 0.4530

Deuteranopia

45.1496, 0.4264, 0.4176



Tritanopia

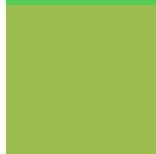
45.7641, 0.2480, 0.3064

Trichromacy



Original Color

46.1876, 0.3038, 0.5181



Protanomaly

44.2288, 0.3660, 0.4802



Deuteranomaly

43.2631, 0.3745, 0.4555



Tritanomaly

45.4016, 0.2690, 0.3809

Monochromacy



Original Color

46.1876, 0.3038, 0.5181



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.1392, 0.3094, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1876, 0.3038, 0.5181 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(84, 205, 84)` looks like.

```
.text, #text, p{  
    color:rgb(84, 205, 84)  
}
```

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(84, 205, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 205, 84) }
```

Border

The CSS property to change the border of an element to Yxy 46.1876, 0.3038, 0.5181 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(84, 205, 84) }
```

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

```
.border{ border-color:rgb(84, 205, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 205, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 205, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 205, 84);  
box-shadow:4px 4px 4px 4px rgb(84, 205,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1876, 0.3038, 0.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 205, 84) }
```

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

```
.background{ background-color: rgb(84, 205,  
84) }
```

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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