

Converting Colors

Yxy(57.1016, 0.3389, 0.5662)

Have a look what the booklet for
Yxy(57.1016, 0.3389, 0.5662)
contains.

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Color

Yxy(57.1894, 0.3387, 0.5664)

Conversions

Conversions Part 1

Format	Color
Hex	76E00C
RGB	118, 224, 12
RGB Percent	46%, 88%, 5%
CMY	0.5370, 0.1216, 0.9531
CMYK	0.47, 0.00, 0.95, 0.12
HSL	90°, 90%, 46%
HSV	90°, 95%, 88%
XYZ	34.1985, 57.1894, 9.5821
YIQ	168.1380, 4.8760, -88.4040

Conversions

Conversions Part 2

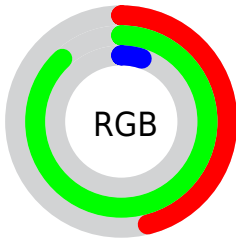
Format	Color
RYB	12, 224, 118
Decimal	7790604
CIELab	80.29, -59.40, 77.05
CIELCh	80, 97.289, 127.630
Yxy	57.1894, 0.3387, 0.5664
Android (android.graphics.Color)	4285980684 (0xFF76E00C)
YUV	168.1380, -76.9760, -43.9710
Hunter-Lab	75.6237, -51.6202, 45.4241

Details

The Yxy color **57.1894, 0.3387, 0.5664** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **9.4888, 0.2068, 0.0932**, and the grayscale version is **39.6189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8419, 0.3500, 0.5098**, and **28.7091, 0.3149, 0.5882** is the 20% darker color. If you saturate the color by 10%, you get **56.7598, 0.3358, 0.5716**, and if you desaturate by 10%, it is **58.1141, 0.3432, 0.5534**.

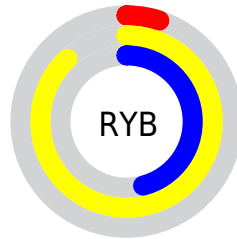
Distribution



Red (46%)

Green (88%)

Blue (5%)



Red (5%)

Yellow (88%)

Blue (46%)

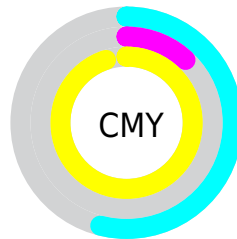


Cyan (47%)

Magenta (0%)

Yellow (95%)

Black (12%)



Cyan (54%)


Magenta (12%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.1894, 0.3387, 0.5664 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 57.1894, 0.3387, 0.5664 by changing the saturation by 10% instead.

 57.1894, 0.3387,
0.5664


 57.1894, 0.3387,
0.5664


414.1586, 0.3380,
0.4478

 41.1573, 0.3345,
0.5931

 100.7415, 0.3417,
0.5249


 28.4420, 0.3267,
0.6249


 129.0303, 0.3419,
0.5087


 18.6591, 0.3131,
0.6629


 162.1735, 0.3416,
0.4948

 11.4242, 0.2904,
0.7096

 200.5554, 0.3411,
0.4828

 6.3529, 0.2477,
0.7523

 244.5605, 0.3404,
0.4724

 3.0609, 0.1828,
0.8172

 294.5731, 0.3396,

 1.1636, 0.0000,

0.4632

1.0000

350.9777, 0.3388,
0.4551

■ 0.0317, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1894, 0.3387,
0.5664

■ 57.1894, 0.3387,
0.5664

■ 56.7598, 0.3358,
0.5716

■ 58.1141, 0.3432,
0.5534

■ 59.2167, 0.3456,
0.5347

■ 60.5168, 0.3458,
0.5110

■ 62.0286, 0.3439,
0.4837

■ 63.7647, 0.3402,
0.4543

■ 65.7367, 0.3351,
0.4242

■ 67.9551, 0.3291,
0.3947

■ 70.4295, 0.3226,
0.3666

■ 73.1692, 0.3159,
0.3404

Harmonies

Analogous

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



57.1894, 0.4445, 0.5142



57.1894, 0.3387, 0.5664



57.1894, 0.2321, 0.5083

Triad

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



57.1894, 0.3387, 0.5664



57.1894, 0.1258, 0.1751



57.1894, 0.4897, 0.2753

Complementary

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



57.1894, 0.3387, 0.5664



9.4888, 0.2068, 0.0932

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.



57.1894, 0.3640, 0.2126



57.1894, 0.3387, 0.5664



57.1894, 0.1643, 0.1576

Square

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



57.1894, 0.3387, 0.5664



57.1894, 0.1211, 0.2359



57.1894, 0.2432, 0.1713



57.1894, 0.5515, 0.3481

Rectangle

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



57.1894, 0.3387, 0.5664



57.1894, 0.1750, 0.4101



57.1894, 0.2432, 0.1713



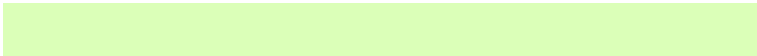
57.1894, 0.4516, 0.2527

Sweetspot

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



57.1919, 0.3387, 0.5664



90.0745, 0.3313, 0.4050



28.0091, 0.5368, 0.4077



19.0051, 0.3339, 0.4179



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.



57.1919, 0.3387, 0.5664



76.0774, 0.3353, 0.5720



53.4422, 0.3005, 0.5964



15.6724, 0.3191, 0.3527



33.1076, 0.3369, 0.5707



2.3481, 0.3486, 0.5614

Inverse Universe

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



9.4888, 0.2068, 0.0932



11.7636, 0.2003, 0.0877



20.9319, 0.3169, 0.1534



13.5780, 0.3058, 0.3053



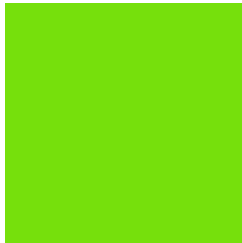
5.2031, 0.2026, 0.0890



0.4139, 0.2193, 0.0982

Previews

White Background



This preview shows how the Yxy color 57.1894, 0.3387, 0.5664 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 57.1894, 0.3387, 0.5664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

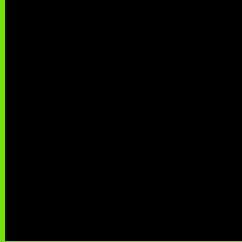
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.1894, 0.3387, 0.5664

Background



This preview shows how black text looks on a background with the Yxy color 57.1894, 0.3387, 0.5664.



This preview shows how white text looks on a background with the Yxy color 57.1894, 0.3387, 0.5664.

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

57.1894, 0.3387, 0.5664

Protanopia

56.0761, 0.4408, 0.4882

Deuteranopia

56.3114, 0.4627, 0.4527



Tritanopia

56.7510, 0.2610, 0.3075

Trichromacy



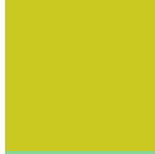
Original Color

57.1894, 0.3387, 0.5664



Protanomaly

54.9487, 0.4003, 0.5195



Deuteranomaly

54.3063, 0.4146, 0.4974



Tritanomaly

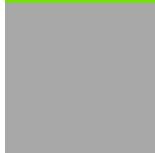
55.4655, 0.3004, 0.4213

Monochromacy



Original Color

57.1894, 0.3387, 0.5664



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.5982, 0.3386, 0.4416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1894, 0.3387, 0.5664 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(118, 224, 12)` looks like.

```
.text, #text, p{  
    color:rgb(118, 224, 12)  
}
```

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(118, 224, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 224, 12) }
```

Border

The CSS property to change the border of an element to Yxy 57.1894, 0.3387, 0.5664 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(118, 224, 12) }
```

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

```
.border{ border-color:rgb(118, 224, 12) }
```

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

Here you see how a box with a 4 pixel rgb(118, 224, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 224, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 224, 12);  
box-shadow:4px 4px 4px 4px rgb(118, 224,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1894, 0.3387, 0.5664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 224, 12) }
```

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

```
.background{ background-color: rgb(118,  
224, 12) }
```

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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