

Converting Colors

$Y_{xy}(66.9035, 0.3157, 0.5875)$

Have a look what the booklet for
Yxy(66.9035, 0.3157, 0.5875)
contains.

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Color

Yxy(67.0541, 0.3158, 0.5875)

Conversions

Conversions Part 1

Format	Color
Hex	51F500
RGB	81, 245, 0
RGB Percent	32%, 96%, 0%
CMY	0.6824, 0.0392, 1.0000
CMYK	0.67, 0.00, 1.00, 0.04
HSL	100°, 100%, 48%
HSV	100°, 100%, 96%
XYZ	36.0437, 67.0541, 11.0368
YIQ	168.0340, -19.0990, -110.9630

Conversions

Conversions Part 2

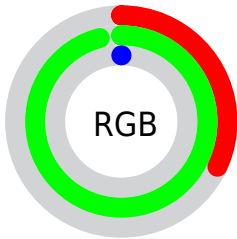
Format	Color
RYB	0, 245, 164
Decimal	5371136
CIELab	85.53, -75.72, 81.80
CIELCh	86, 111.471, 132.791
Yxy	67.0541, 0.3158, 0.5875
Android (android.graphics.Color)	4283561216 (0xFF51F500)
YUV	168.0340, -82.8408, -76.3288
Hunter-Lab	81.8866, -64.7318, 49.3294

Details

The Yxy color **67.0541, 0.3158, 0.5875** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **14.4880, 0.2377, 0.1083**, and the grayscale version is **39.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8546, 0.3322, 0.5197**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.0573, 0.3158, 0.5875**, and if you desaturate by 10%, it is **67.9394, 0.3210, 0.5770**.

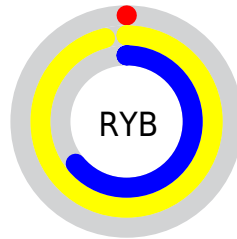
Distribution



Red (32%)

Green (96%)

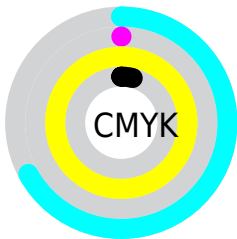
Blue (0%)



Red (0%)

Yellow (96%)

Blue (64%)

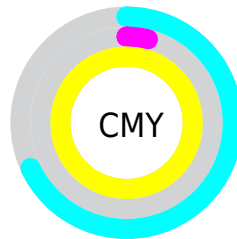


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (68%)


Magenta (4%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0541, 0.3158, 0.5875 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 67.0541, 0.3158, 0.5875 by changing the saturation by 10% instead.


 67.0541, 0.3158,
0.5875

 67.0541, 0.3158,
0.5875


 450.1373, 0.3273,
0.4596

 49.1286, 0.3090,
0.6161


 114.9979, 0.3231,
0.5430


 34.7215, 0.2983,
0.6500


 145.7850, 0.3249,
0.5256


 23.4484, 0.2815,
0.6898


 181.6281, 0.3261,
0.5106

 14.9250, 0.2574,
0.7426

 222.9116, 0.3268,
0.4976

 8.7667, 0.2139,
0.7861

 270.0199, 0.3272,
0.4863

 4.5894, 0.1544,
0.8456

 323.3373, 0.3274,

 2.0084, 0.0000,

0.4763

1.0000

383.2483, 0.3274,
0.4675

■ 0.6123, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.0541, 0.3158,
0.5875

■ 67.0541, 0.3158,
0.5875

■ 67.0573, 0.3158,
0.5875

■ 67.9394, 0.3210,
0.5770

■ 69.0937, 0.3253,
0.5602

■ 70.5573, 0.3281,
0.5369

■ 72.3561, 0.3292,
0.5087

■ 74.5124, 0.3287,
0.4774

■ 77.0465, 0.3269,
0.4450

■ 79.9772, 0.3241,
0.4130

■ 83.3216, 0.3206,
0.3826

■ 87.0959, 0.3168,
0.3545

Harmonies

Analogous

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



67.0541, 0.4298, 0.5383



67.0541, 0.3158, 0.5875



67.0541, 0.2065, 0.5015

Triad

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



67.0541, 0.3158, 0.5875



67.0541, 0.1196, 0.1592



67.0541, 0.5225, 0.2825

Complementary

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



67.0541, 0.3158, 0.5875



14.4880, 0.2377, 0.1083

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.



67.0541, 0.3925, 0.2149



67.0541, 0.3158, 0.5875



67.0541, 0.1658, 0.1480

Square

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



67.0541, 0.3158, 0.5875



67.0541, 0.1084, 0.2122



67.0541, 0.2568, 0.1674



67.0541, 0.5700, 0.3587

Rectangle

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



67.0541, 0.3158, 0.5875



67.0541, 0.1523, 0.3865



67.0541, 0.2568, 0.1674



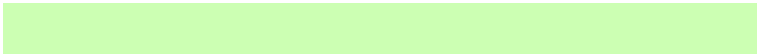
67.0541, 0.4852, 0.2586

Sweetspot

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



67.0573, 0.3158, 0.5875



87.5616, 0.3241, 0.4132



45.7281, 0.4948, 0.4453



18.4402, 0.3254, 0.4266



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.



67.0573, 0.3158, 0.5875



73.4181, 0.3157, 0.5876



65.4677, 0.2964, 0.5872



18.7380, 0.3166, 0.3531



36.1900, 0.3169, 0.5866



3.2344, 0.3263, 0.5791

Inverse Universe

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



14.4880, 0.2377, 0.1083



15.8458, 0.2375, 0.1082



23.7815, 0.3691, 0.1807



16.4779, 0.3085, 0.3053



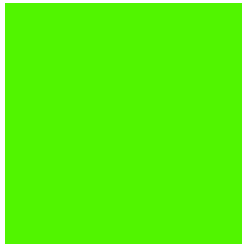
7.8831, 0.2390, 0.1090



0.7487, 0.2494, 0.1147

Previews

White Background



This preview shows how the Yxy color 67.0541, 0.3158, 0.5875 looks on a white background.

Color Contrast Check

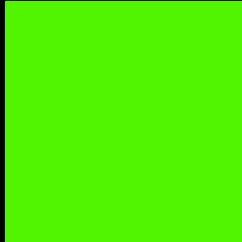
Large Text (above 18pt) WCAG AA × Fail

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 67.0541, 0.3158, 0.5875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

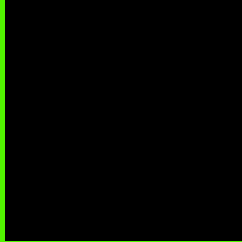
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

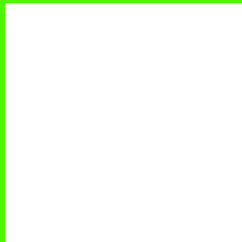
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0541, 0.3158, 0.5875

Background



This preview shows how black text looks on a background with the Yxy color 67.0541, 0.3158, 0.5875.



This preview shows how white text looks on a background with the Yxy color 67.0541, 0.3158, 0.5875.

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

67.0541, 0.3158, 0.5875

Protanopia

65.4377, 0.4410, 0.4880

Deuteranopia

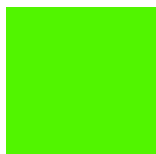
65.7067, 0.4192, 0.4174



Tritanopia

66.6527, 0.2448, 0.3071

Trichromacy



Original Color

67.0541, 0.3158, 0.5875



Protanomaly

63.2564, 0.3861, 0.5316



Deuteranomaly

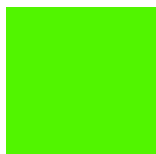
62.3639, 0.3814, 0.4925



Tritanomaly

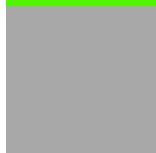
64.5950, 0.2821, 0.4344

Monochromacy



Original Color

67.0541, 0.3158, 0.5875



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

45.7756, 0.3276, 0.4607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0541, 0.3158, 0.5875 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(81, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 245, 0)  
}
```

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(81, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 245, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.0541, 0.3158, 0.5875 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(81, 245, 0) }
```

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

```
.border{ border-color:rgb(81, 245, 0) }
```

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

Here you see how a box with a 4 pixel rgb(81, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 245, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.0541, 0.3158, 0.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 245, 0) }
```

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

```
.background{ background-color: rgb(81, 245,  
0) }
```

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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