

Converting Colors

Yxy(68.3512, 0.3158, 0.5874)

Have a look what the booklet for
Yxy(68.3512, 0.3158, 0.5874)
contains.

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Color

Yxy(68.3154, 0.3159, 0.5874)

Conversions

Conversions Part 1

Format	Color
Hex	52F700
RGB	82, 247, 0
RGB Percent	32%, 97%, 0%
CMY	0.6785, 0.0314, 1.0000
CMYK	0.67, 0.00, 1.00, 0.03
HSL	100°, 100%, 48%
HSV	100°, 100%, 97%
XYZ	36.7396, 68.3154, 11.2463
YIQ	169.5070, -19.0530, -111.7970

Conversions

Conversions Part 2

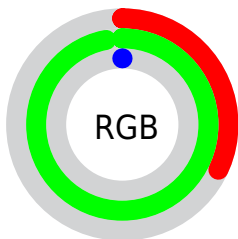
Format	Color
RYB	0, 247, 165
Decimal	5437184
CIELab	86.16, -76.14, 82.31
CIELCh	86, 112.122, 132.770
Yxy	68.3154, 0.3159, 0.5874
Android (android.graphics.Color)	4283627264 (0xFF52F700)
YUV	169.5070, -83.5670, -76.7436
Hunter-Lab	82.6531, -65.2991, 49.7898

Details

The Yxy color **68.3154, 0.3159, 0.5874** 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 **14.7162, 0.2373, 0.1081**, and the grayscale version is **40.3718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9507, 0.3328, 0.5194**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.3185, 0.3159, 0.5874**, and if you desaturate by 10%, it is **69.2181, 0.3211, 0.5769**.

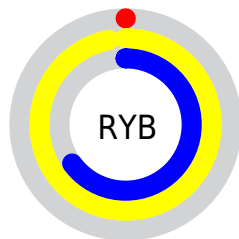
Distribution



Red (32%)

Green (97%)

Blue (0%)



Red (0%)

Yellow (97%)

Blue (65%)

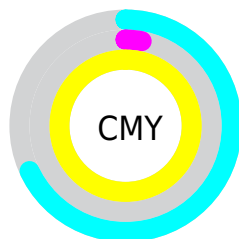


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (68%)


Magenta (3%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3154, 0.3159, 0.5874 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 68.3154, 0.3159, 0.5874 by changing the saturation by 10% instead.


 68.3154, 0.3159,
0.5874


 68.3154, 0.3159,
0.5874


 454.6127, 0.3274,
0.4600


 50.1544, 0.3091,
0.6158


 116.8032, 0.3231,
0.5431

 35.5361, 0.2986,
0.6494


 147.8988, 0.3250,
0.5258


 24.0761, 0.2820,
0.6889


 184.0747, 0.3261,
0.5109

 15.3901, 0.2585,
0.7415

 225.7153, 0.3268,
0.4979

 9.0936, 0.2157,
0.7843

 273.2050, 0.3272,
0.4866

 4.8023, 0.1572,
0.8428

 326.9282, 0.3274,

 2.1317, 0.0000,

0.4767

1.0000

387.2693, 0.3275,
0.4678

■ 0.6824, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3154, 0.3159,
0.5874

■ 68.3154, 0.3159,
0.5874


■ 68.3185, 0.3159,
0.5874

■ 69.2181, 0.3211,
0.5769


■ 70.3946, 0.3254,
0.5601


■ 71.8858, 0.3282,
0.5369


■ 73.7177, 0.3293,
0.5087

 75.9134, 0.3288,
0.4775

 78.4933, 0.3270,
0.4450

 81.4765, 0.3242,
0.4130

 84.8805, 0.3207,
0.3826

 88.7217, 0.3168,
0.3545

Harmonies

Analogous

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



68.3154, 0.4299, 0.5381



68.3154, 0.3159, 0.5874



68.3154, 0.2066, 0.5016

Triad

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



68.3154, 0.3159, 0.5874



68.3154, 0.1197, 0.1593



68.3154, 0.5223, 0.2825

Complementary

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



68.3154, 0.3159, 0.5874



14.7162, 0.2373, 0.1081

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.



68.3154, 0.3924, 0.2149



68.3154, 0.3159, 0.5874



68.3154, 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.



68.3154, 0.3159, 0.5874



68.3154, 0.1085, 0.2123



68.3154, 0.2568, 0.1674



68.3154, 0.5699, 0.3586

Rectangle

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



68.3154, 0.3159, 0.5874



68.3154, 0.1524, 0.3866



68.3154, 0.2568, 0.1674



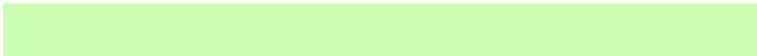
68.3154, 0.4850, 0.2586

Sweetspot

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



68.3185, 0.3159, 0.5874



87.5769, 0.3242, 0.4132



46.5666, 0.4949, 0.4453



18.4438, 0.3255, 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.



68.3185, 0.3159, 0.5874



73.4349, 0.3158, 0.5875



66.6861, 0.2965, 0.5872



18.7392, 0.3166, 0.3531



36.1985, 0.3170, 0.5865



3.2353, 0.3264, 0.5790

Inverse Universe

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



14.7162, 0.2373, 0.1081



15.8053, 0.2371, 0.1080



24.2235, 0.3691, 0.1807



16.4767, 0.3085, 0.3053



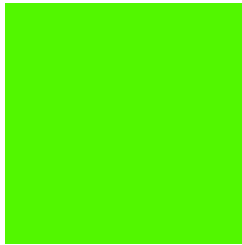
7.8633, 0.2386, 0.1088



0.7470, 0.2491, 0.1146

Previews

White Background



This preview shows how the Yxy color 68.3154, 0.3159, 0.5874 looks on a white background.

Color Contrast Check

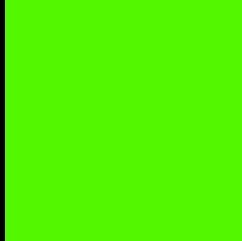
Large Text (above 18pt) WCAG AA × Fail

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 68.3154, 0.3159, 0.5874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

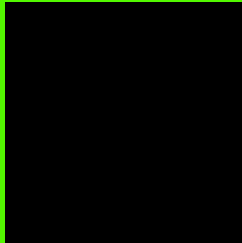
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

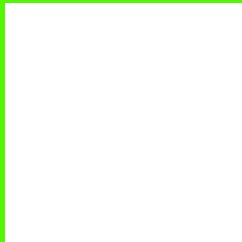
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.3154, 0.3159, 0.5874

Background



This preview shows how black text looks on a background with the Yxy color 68.3154, 0.3159, 0.5874.



This preview shows how white text looks on a background with the Yxy color 68.3154, 0.3159, 0.5874.

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

68.3154, 0.3159, 0.5874

Protanopia

66.7939, 0.4409, 0.4882

Deuteranopia

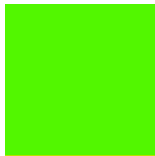
66.8833, 0.4119, 0.4111



Tritanopia

67.9601, 0.2448, 0.3073

Trichromacy



Original Color

68.3154, 0.3159, 0.5874



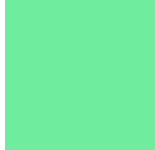
Protanomaly

64.4600, 0.3856, 0.5320



Deuteranomaly

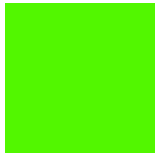
63.4986, 0.3778, 0.4892



Tritanomaly

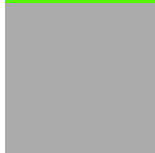
65.8390, 0.2822, 0.4350

Monochromacy



Original Color

68.3154, 0.3159, 0.5874



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.8742, 0.3281, 0.4608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3154, 0.3159, 0.5874 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(82, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 247, 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(82, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 247, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.3154, 0.3159, 0.5874 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(82, 247, 0) }
```

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

```
.border{ border-color:rgb(82, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(82, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(82, 247, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.3154, 0.3159, 0.5874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 247, 0) }
```

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

```
.background{ background-color: rgb(82, 247,  
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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