

Converting Colors

$Yxy(68.0261, 0.3250, 0.5802)$

Have a look what the booklet for
Yxy(68.0261, 0.3250, 0.5802)
contains.

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Color

Yxy(68.1296, 0.3248, 0.5803)

Conversions

Conversions Part 1

Format	Color
Hex	66F500
RGB	102, 245, 0
RGB Percent	40%, 96%, 0%
CMY	0.6000, 0.0392, 0.9997
CMYK	0.58, 0.00, 1.00, 0.04
HSL	95°, 100%, 48%
HSV	95°, 100%, 96%
XYZ	38.1329, 68.1296, 11.1416
YIQ	174.3130, -6.5830, -106.5110

Conversions

Conversions Part 2

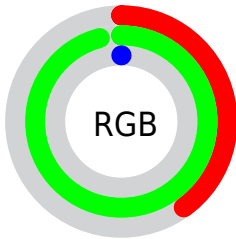
Format	Color
RYB	0, 245, 143
Decimal	6747392
CIELab	86.07, -71.19, 82.44
CIElCh	86, 108.923, 130.813
Yxy	68.1296, 0.3248, 0.5803
Android (android.graphics.Color)	4284937472 (0xFF66F500)
YUV	174.3130, -85.9363, -63.4185
Hunter-Lab	82.5407, -61.9812, 49.7753

Details

The Yxy color **68.1296, 0.3248, 0.5803** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.4403, 0.2181, 0.0975**, and the grayscale version is **42.9579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4908, 0.3420, 0.5137**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.1298, 0.3248, 0.5803**, and if you desaturate by 10%, it is **69.1099, 0.3303, 0.5697**.

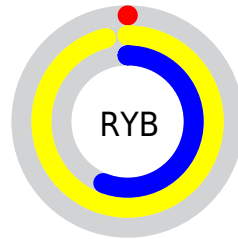
Distribution



Red (40%)

Green (96%)

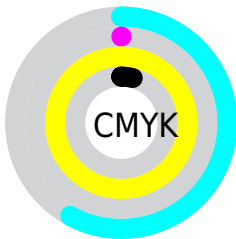
Blue (0%)



Red (0%)

Yellow (96%)

Blue (56%)

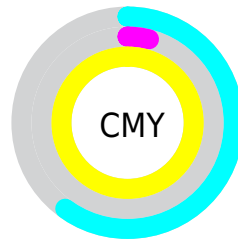


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (60%)


Magenta (4%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1296, 0.3248, 0.5803 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 68.1296, 0.3248, 0.5803 by changing the saturation by 10% instead.


 68.1296, 0.3248,
0.5803

 68.1296, 0.3248,
0.5803


453.9551, 0.3318,
0.4572

 50.0032, 0.3191,
0.6075


 116.5375, 0.3305,
0.5377


 35.4159, 0.3098,
0.6396


 147.5878, 0.3317,
0.5210


 23.9834, 0.2948,
0.6771


 183.7149, 0.3323,
0.5066

 15.3213, 0.2731,
0.7269

 225.3030, 0.3326,
0.4941

 9.0452, 0.2323,
0.7677

 272.7368, 0.3326,
0.4831

 4.7707, 0.1756,
0.8244

 326.4004, 0.3324,

 2.1134, 0.0000,

0.4734

1.0000

386.6784, 0.3322,
0.4649

■ 0.6721, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1296, 0.3248,
0.5803

■ 68.1296, 0.3248,
0.5803


■ 68.1298, 0.3248,
0.5803

■ 69.1099, 0.3303,
0.5697


■ 70.3242, 0.3345,
0.5534


■ 71.8083, 0.3368,
0.5311


■ 73.5842, 0.3371,
0.5041

 75.6711, 0.3355,
0.4741

 78.0861, 0.3325,
0.4428

 80.8449, 0.3283,
0.4118

 83.9621, 0.3234,
0.3820

 87.4514, 0.3181,
0.3543

Harmonies

Analogous

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



68.1296, 0.4361, 0.5292



68.1296, 0.3248, 0.5803



68.1296, 0.2161, 0.5056

Triad

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



68.1296, 0.3248, 0.5803



68.1296, 0.1214, 0.1648



68.1296, 0.5104, 0.2795

Complementary

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



68.1296, 0.3248, 0.5803



12.4403, 0.2181, 0.0975

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.



68.1296, 0.3812, 0.2135



68.1296, 0.3248, 0.5803



68.1296, 0.1646, 0.1512

Square

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



68.1296, 0.3248, 0.5803



68.1296, 0.1127, 0.2209



68.1296, 0.2510, 0.1684



68.1296, 0.5640, 0.3545

Rectangle

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



68.1296, 0.3248, 0.5803



68.1296, 0.1605, 0.3964



68.1296, 0.2510, 0.1684



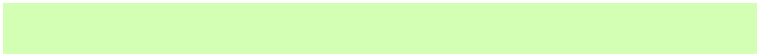
68.1296, 0.4725, 0.2560

Sweetspot

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



68.1325, 0.3248, 0.5803



88.5057, 0.3283, 0.4121



39.0433, 0.5185, 0.4265



18.6609, 0.3302, 0.4251



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.



68.1325, 0.3248, 0.5803



74.5918, 0.3246, 0.5804



65.3598, 0.2988, 0.5957



18.8089, 0.3179, 0.3530



36.7785, 0.3259, 0.5794



3.2913, 0.3357, 0.5717

Inverse Universe

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



12.4403, 0.2181, 0.0975



13.5978, 0.2178, 0.0974



24.8288, 0.3434, 0.1666



16.4046, 0.3071, 0.3052



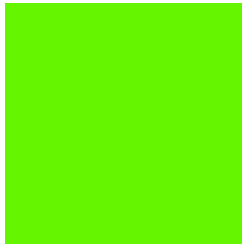
6.7824, 0.2196, 0.0983



0.6563, 0.2319, 0.1051

Previews

White Background



This preview shows how the Yxy color 68.1296, 0.3248, 0.5803 looks on a white background.

Color Contrast Check

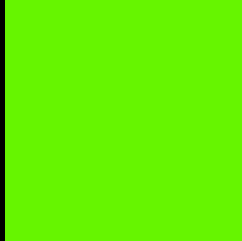
Large Text (above 18pt) WCAG AA × Fail

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 68.1296, 0.3248, 0.5803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

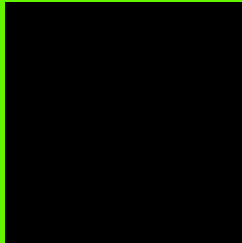
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

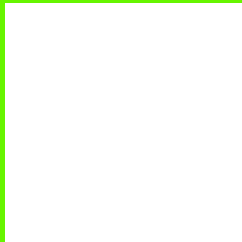
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1296, 0.3248, 0.5803

Background



This preview shows how black text looks on a background with the Yxy color 68.1296, 0.3248, 0.5803.



This preview shows how white text looks on a background with the Yxy color 68.1296, 0.3248, 0.5803.

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

68.1296, 0.3248, 0.5803

Protanopia

66.7939, 0.4409, 0.4882

Deuteranopia

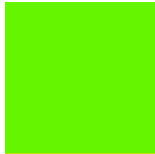
66.8578, 0.4126, 0.4121



Tritanopia

67.7161, 0.2506, 0.3074

Trichromacy



Original Color

68.1296, 0.3248, 0.5803



Protanomaly

64.7976, 0.3918, 0.5271



Deuteranomaly

63.8930, 0.3844, 0.4858



Tritanomaly

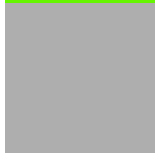
65.7156, 0.2901, 0.4321

Monochromacy



Original Color

68.1296, 0.3248, 0.5803



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

48.7521, 0.3338, 0.4554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1296, 0.3248, 0.5803 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(102, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 245, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.1296, 0.3248, 0.5803 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(102, 245, 0) }
```

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

```
.border{ border-color:rgb(102, 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(102, 245, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 245,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1296, 0.3248, 0.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 245, 0) }
```

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

```
.background{ background-color: rgb(102,  
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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