

Converting Colors

$Yxy(67.4607, 0.3203, 0.5839)$

Have a look what the booklet for
Yxy(67.4607, 0.3203, 0.5839)
contains.

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Color

Yxy(67.5801, 0.3203, 0.5839)

Conversions

Conversions Part 1

Format	Color
Hex	5CF500
RGB	92, 245, 0
RGB Percent	36%, 96%, 0%
CMY	0.6389, 0.0392, 1.0000
CMYK	0.62, 0.00, 1.00, 0.04
HSL	97°, 100%, 48%
HSV	97°, 100%, 96%
XYZ	37.0713, 67.5801, 11.0878
YIQ	171.3230, -12.5430, -108.6310

Conversions

Conversions Part 2

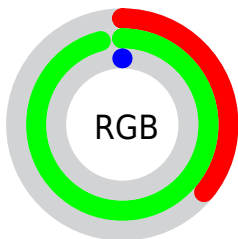
Format	Color
RYB	0, 245, 153
Decimal	6092032
CIELab	85.80, -73.46, 82.12
CIELCh	86, 110.178, 131.815
Yxy	67.5801, 0.3203, 0.5839
Android (android.graphics.Color)	4284282112 (0xFF5CF500)
YUV	171.3230, -84.4622, -69.5663
Hunter-Lab	82.2071, -63.3680, 49.5482

Details

The Yxy color **67.5801, 0.3203, 0.5839** 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 **13.3573, 0.2271, 0.1025**, and the grayscale version is **41.3457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6463, 0.3370, 0.5168**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.5831, 0.3203, 0.5839**, and if you desaturate by 10%, it is **68.5206, 0.3257, 0.5733**.

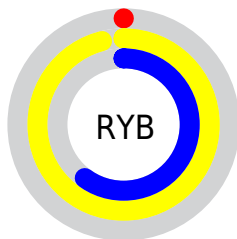
Distribution



Red (36%)

Green (96%)

Blue (0%)



Red (0%)

Yellow (96%)

Blue (60%)

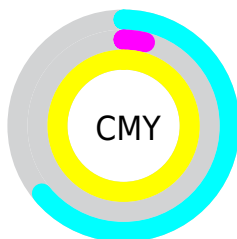


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (64%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5801, 0.3203, 0.5839 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 67.5801, 0.3203, 0.5839 by changing the saturation by 10% instead.


 67.5801, 0.3203,
0.5839

 67.5801, 0.3203,
0.5839


452.0069, 0.3296,
0.4584

 49.5562, 0.3140,
0.6118


 115.7512, 0.3268,
0.5404


 35.0609, 0.3040,
0.6448


 146.6673, 0.3283,
0.5233

 23.7098, 0.2881,
0.6835


 182.6495, 0.3292,
0.5086

 15.1185, 0.2653,
0.7347

 224.0823, 0.3297,
0.4958

 8.9026, 0.2231,
0.7769

 271.3500, 0.3299,
0.4847

 4.6777, 0.1649,
0.8351

 324.8371, 0.3299,

 2.0594, 0.0000,

0.4749

1.0000

384.9279, 0.3298,
0.4662

■ 0.6417, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.5801, 0.3203,
0.5839

■ 67.5801, 0.3203,
0.5839


■ 67.5831, 0.3203,
0.5839

■ 68.5206, 0.3257,
0.5733


■ 69.7116, 0.3300,
0.5567

■ 71.1908, 0.3326,
0.5339


■ 72.9818, 0.3333,
0.5064

 75.1053, 0.3323,
0.4757

 77.5797, 0.3298,
0.4439

 80.4220, 0.3263,
0.4124

 83.6478, 0.3221,
0.3824

 87.2721, 0.3175,
0.3544

Harmonies

Analogous

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



67.5801, 0.4330, 0.5337



67.5801, 0.3203, 0.5839



67.5801, 0.2113, 0.5036

Triad

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



67.5801, 0.3203, 0.5839



67.5801, 0.1205, 0.1620



67.5801, 0.5164, 0.2810

Complementary

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



67.5801, 0.3203, 0.5839



13.3573, 0.2271, 0.1025

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.



67.5801, 0.3868, 0.2142



67.5801, 0.3203, 0.5839



67.5801, 0.1652, 0.1496

Square

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



67.5801, 0.3203, 0.5839



67.5801, 0.1105, 0.2165



67.5801, 0.2539, 0.1679



67.5801, 0.5671, 0.3566

Rectangle

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



67.5801, 0.3203, 0.5839



67.5801, 0.1564, 0.3915



67.5801, 0.2539, 0.1679



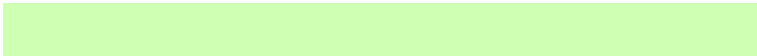
67.5801, 0.4788, 0.2573

Sweetspot

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



67.5831, 0.3203, 0.5839



88.0560, 0.3264, 0.4126



41.5719, 0.5089, 0.4341



18.5556, 0.3279, 0.4258



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.



67.5831, 0.3203, 0.5839



73.9978, 0.3202, 0.5840



65.3905, 0.2980, 0.5929



18.7754, 0.3172, 0.3531



36.4816, 0.3214, 0.5830



3.2631, 0.3311, 0.5753

Inverse Universe

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



13.3573, 0.2271, 0.1025



14.6079, 0.2269, 0.1024



24.3916, 0.3533, 0.1720



16.4391, 0.3078, 0.3052



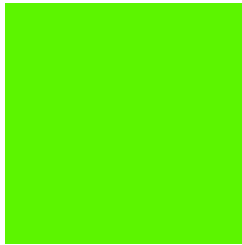
7.2777, 0.2285, 0.1033



0.6983, 0.2400, 0.1096

Previews

White Background



This preview shows how the Yxy color 67.5801, 0.3203, 0.5839 looks on a white background.

Color Contrast Check

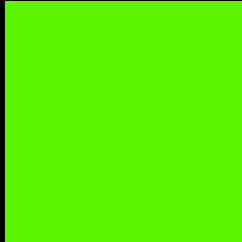
Large Text (above 18pt) WCAG AA × Fail

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 67.5801, 0.3203, 0.5839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

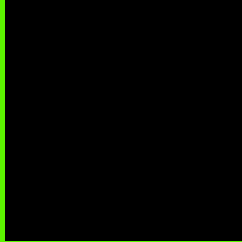
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

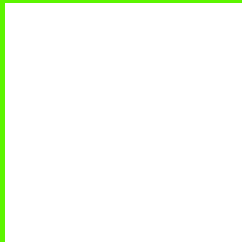
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5801, 0.3203, 0.5839

Background



This preview shows how black text looks on a background with the Yxy color 67.5801, 0.3203, 0.5839.



This preview shows how white text looks on a background with the Yxy color 67.5801, 0.3203, 0.5839.

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

67.5801, 0.3203, 0.5839

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

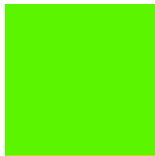
66.2787, 0.4159, 0.4148



Tritanopia

67.2090, 0.2478, 0.3073

Trichromacy



Original Color

67.5801, 0.3203, 0.5839



Protanomaly

64.2895, 0.3886, 0.5296



Deuteranomaly

63.4440, 0.3833, 0.4896



Tritanomaly

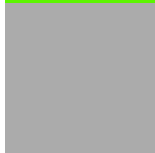
65.2019, 0.2864, 0.4332

Monochromacy



Original Color

67.5801, 0.3203, 0.5839



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

47.2431, 0.3307, 0.4580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5801, 0.3203, 0.5839 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(92, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(92, 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(92, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 245, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.5801, 0.3203, 0.5839 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(92, 245, 0) }
```

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

```
.border{ border-color:rgb(92, 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(92, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(92, 245, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.5801, 0.3203, 0.5839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 245, 0) }
```

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

```
.background{ background-color: rgb(92, 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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