

Converting Colors

Yxy(67.5612, 0.3211, 0.5832)

Have a look what the booklet for
Yxy(67.5612, 0.3211, 0.5832)
contains.

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Color

Yxy(67.6845, 0.3211, 0.5832)

Conversions

Conversions Part 1

Format	Color
Hex	5EF500
RGB	94, 245, 0
RGB Percent	37%, 96%, 0%
CMY	0.6316, 0.0392, 0.9990
CMYK	0.62, 0.00, 1.00, 0.04
HSL	97°, 100%, 48%
HSV	97°, 100%, 96%
XYZ	37.2659, 67.6845, 11.1067
YIQ	171.9210, -11.3510, -108.2070

Conversions

Conversions Part 2

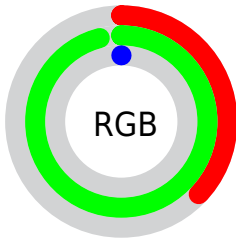
Format	Color
RYB	0, 245, 151
Decimal	6223104
CIELab	85.85, -73.05, 82.15
CIELCh	86, 109.931, 131.642
Yxy	67.6845, 0.3211, 0.5832
Android (android.graphics.Color)	4284413184 (0xFF5EF500)
YUV	171.9210, -84.7571, -68.3367
Hunter-Lab	82.2706, -63.1188, 49.5852

Details


The Yxy color **67.6845, 0.3211, 0.5832** 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 **13.2079, 0.2256, 0.1017**, and the grayscale version is **41.6647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8524, 0.3383, 0.5160**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.6784, 0.3210, 0.5833**, and if you desaturate by 10%, it is **68.6347, 0.3266, 0.5726**.

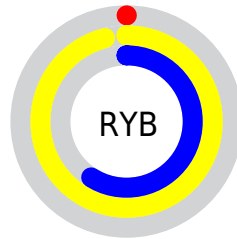
Distribution



 Red (37%)

 Green (96%)

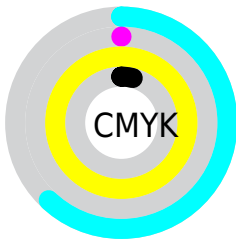
 Blue (0%)




 Red (0%)

 Yellow (96%)

 Blue (59%)

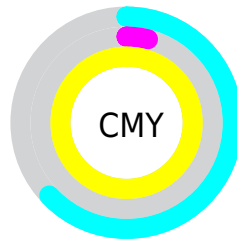


 Cyan (62%)

 Magenta (0%)

 Yellow (100%)

 Black (4%)



 Cyan (63%)


 Magenta (4%)

 Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6845, 0.3211, 0.5832 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 67.6845, 0.3211, 0.5832 by changing the saturation by 10% instead.


 67.6845, 0.3211,
0.5832

 67.6845, 0.3211,
0.5832


452.3774, 0.3300,
0.4582


 49.6411, 0.3149,
0.6109


 115.9007, 0.3274,
0.5399


 35.1283, 0.3051,
0.6438


 146.8423, 0.3289,
0.5228


 23.7617, 0.2893,
0.6823


 182.8520, 0.3298,
0.5082

 15.1570, 0.2667,
0.7333

 224.3144, 0.3302,
0.4955

 8.9296, 0.2248,
0.7752

 271.6137, 0.3304,
0.4844

 4.6953, 0.1668,
0.8332


 325.1343, 0.3304,

 2.0696, 0.0000,


0.4746


1.0000


385.2608, 0.3302,
0.4659

 0.6475, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.6845, 0.3211,
0.5832


 67.6845, 0.3211,
0.5832


 67.6784, 0.3210,
0.5833


 68.6347, 0.3266,
0.5726


 69.8332, 0.3308,
0.5559

 71.3171, 0.3333,
0.5332


 73.1095, 0.3339,
0.5057

 75.2308, 0.3328,
0.4751

 77.6991, 0.3303,
0.4434

 80.5313, 0.3266,
0.4120

 83.7427, 0.3223,
0.3820

 87.3480, 0.3176,
0.3541

Harmonies

Analogous

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



67.6845, 0.4335, 0.5329



67.6845, 0.3211, 0.5832



67.6845, 0.2122, 0.5039

Triad

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



67.6845, 0.3211, 0.5832



67.6845, 0.1207, 0.1625



67.6845, 0.5153, 0.2808

Complementary

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



67.6845, 0.3211, 0.5832



13.2079, 0.2256, 0.1017

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.



67.6845, 0.3858, 0.2141



67.6845, 0.3211, 0.5832



67.6845, 0.1651, 0.1499

Square

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



67.6845, 0.3211, 0.5832



67.6845, 0.1109, 0.2173



67.6845, 0.2534, 0.1680



67.6845, 0.5665, 0.3562

Rectangle

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



67.6845, 0.3211, 0.5832



67.6845, 0.1571, 0.3923



67.6845, 0.2534, 0.1680



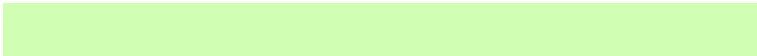
67.6845, 0.4777, 0.2571

Sweetspot

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



67.6874, 0.3211, 0.5832



88.1333, 0.3267, 0.4125



41.6079, 0.5088, 0.4342



18.5737, 0.3283, 0.4257



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.



67.6874, 0.3211, 0.5832



74.0955, 0.3209, 0.5834



65.3990, 0.2980, 0.5928



18.7812, 0.3174, 0.3531



36.5306, 0.3222, 0.5824



3.2678, 0.3319, 0.5747

Inverse Universe

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



13.2079, 0.2256, 0.1017



14.4264, 0.2253, 0.1015



24.4009, 0.3533, 0.1720



16.4331, 0.3077, 0.3052



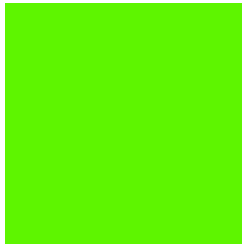
7.1888, 0.2270, 0.1024



0.6908, 0.2386, 0.1088

Previews

White Background



This preview shows how the Yxy color 67.6845, 0.3211, 0.5832 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 67.6845, 0.3211, 0.5832 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

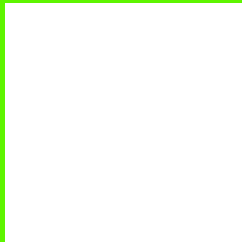
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6845, 0.3211, 0.5832

Background



This preview shows how black text looks on a background with the Yxy color 67.6845, 0.3211, 0.5832.



This preview shows how white text looks on a background with the Yxy color 67.6845, 0.3211, 0.5832.

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

67.6845, 0.3211, 0.5832

Protanopia

66.1138, 0.4409, 0.4881

Deuteranopia

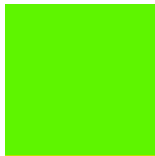
66.3031, 0.4152, 0.4139



Tritanopia

67.2915, 0.2483, 0.3073

Trichromacy



Original Color

67.6845, 0.3211, 0.5832



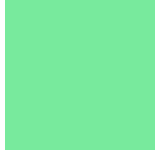
Protanomaly

64.4152, 0.3894, 0.5290



Deuteranomaly

63.4580, 0.3829, 0.4889



Tritanomaly

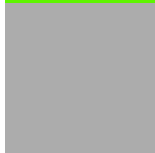
65.2730, 0.2869, 0.4330

Monochromacy



Original Color

67.6845, 0.3211, 0.5832



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

47.9019, 0.3315, 0.4570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6845, 0.3211, 0.5832 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(94, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 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(94, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 245, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.6845, 0.3211, 0.5832 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(94, 245, 0) }
```

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

```
.border{ border-color:rgb(94, 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(94, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 245, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 67.6845, 0.3211, 0.5832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 245, 0) }
```

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

```
.background{ background-color: rgb(94, 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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