

Converting Colors

$Yxy(73.6863, 0.3166, 0.5834)$

Have a look what the booklet for
Yxy(73.6863, 0.3166, 0.5834)
contains.

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Color

Yxy(73.6843, 0.3165, 0.5834)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 59FF11 |
| RGB | 89, 255, 17 |
| RGB Percent | 35%, 100%, 7% |
| CMY | 0.6513, 0.0000, 0.9335 |
| CMYK | 0.65, 0.00, 0.93, 0.00 |
| HSL | 102°, 100%, 53% |
| HSV | 102°, 93%, 100% |
| XYZ | 39.9744, 73.6843, 12.6428 |
| YIQ | 178.2340, -22.5380, -109.2100 |

Conversions

Conversions Part 2

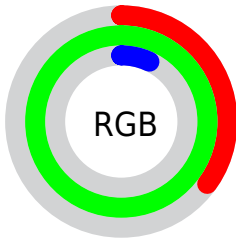
| Format | Color |
|-------------------------------------|--|
| RYB | 17, 255, 183 |
| Decimal | 5898001 |
| CIELab | 88.77, -76.99, 83.07 |
| CIELCh | 89, 113.265, 132.825 |
| Yxy | 73.6843, 0.3165, 0.5834 |
| Android (android.graphics.Color) | 4284088081 (0xFF59FF11) |
| YUV | 178.2340, -79.4884, -78.2582 |
| Hunter-Lab | 85.8396, -67.0940, 51.3552 |

Details

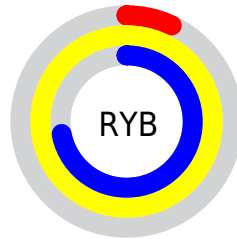
The Yxy color **73.6843, 0.3165, 0.5834** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed green. A complement of this color would be **17.6911, 0.2494, 0.1168**, and the grayscale version is **45.0723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6522, 0.3343, 0.5119**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **73.1014, 0.3131, 0.5896**, and if you desaturate by 10%, it is **74.7980, 0.3211, 0.5690**.

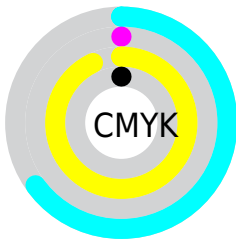
Distribution



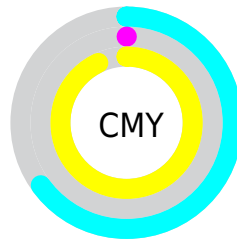
- Red (35%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (72%)



- Cyan (65%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)




- Cyan (65%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6843, 0.3165, 0.5834 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 73.6843, 0.3165, 0.5834 by changing the saturation by 10% instead.


 73.6843, 0.3165,
0.5834

 73.6843, 0.3165,
0.5834


473.3831, 0.3272,
0.4595


 54.5357, 0.3102,
0.6107


 124.4482, 0.3232,
0.5406

 39.0301, 0.3006,
0.6431


 156.8322, 0.3250,
0.5238

 26.7831, 0.2855,
0.6812


 194.3969, 0.3261,
0.5093

 17.4104, 0.2645,
0.7325

 237.5266, 0.3267,
0.4966

 10.5275, 0.2253,
0.7747

 286.6056, 0.3271,
0.4856

 5.7501, 0.1711,
0.8289


 342.0184, 0.3273,

 2.6937, 0.0343,


0.4758


0.9657


404.1495, 0.3273,
0.4672


 0.9740, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.6843, 0.3165,
0.5834


 73.6843, 0.3165,
0.5834

 73.1014, 0.3131,
0.5896


 74.7980, 0.3211,
0.5690


 76.2589, 0.3245,
0.5477


 78.0946, 0.3264,
0.5206

 80.3325, 0.3267,
0.4897

 82.9971, 0.3257,
0.4570

 86.1108, 0.3236,
0.4243

 89.6945, 0.3208,
0.3929

 93.7674, 0.3175,
0.3638

 98.3477, 0.3139,
0.3373

Harmonies

Analogous

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



73.6843, 0.4293, 0.5364



73.6843, 0.3165, 0.5834



73.6843, 0.2082, 0.4983

Triad

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



73.6843, 0.3165, 0.5834



73.6843, 0.1216, 0.1611



73.6843, 0.5195, 0.2835

Complementary

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



73.6843, 0.3165, 0.5834



17.6911, 0.2494, 0.1168

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.



73.6843, 0.3916, 0.2163



73.6843, 0.3165, 0.5834



73.6843, 0.1676, 0.1498

Square

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



73.6843, 0.3165, 0.5834



73.6843, 0.1105, 0.2139



73.6843, 0.2578, 0.1692



73.6843, 0.5668, 0.3593

Rectangle

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



73.6843, 0.3165, 0.5834



73.6843, 0.1543, 0.3856



73.6843, 0.2578, 0.1692



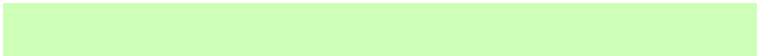
73.6843, 0.4828, 0.2598

Sweetspot

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



73.6799, 0.3165, 0.5834



87.9693, 0.3222, 0.4073



53.7887, 0.4829, 0.4511



18.5061, 0.3234, 0.4209



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.



73.6799, 0.3165, 0.5834



73.1014, 0.3131, 0.5896



71.9713, 0.2943, 0.5753



20.4343, 0.3161, 0.3532



38.2648, 0.3142, 0.5887



3.7799, 0.3224, 0.5822

Inverse Universe

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



17.6911, 0.2494, 0.1168



16.6746, 0.2443, 0.1119



26.3805, 0.3703, 0.1835



18.0086, 0.3089, 0.3052



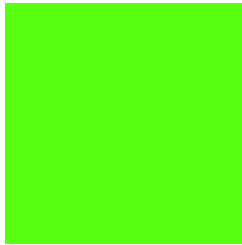
8.7946, 0.2455, 0.1126



0.9134, 0.2543, 0.1175

Previews

White Background



This preview shows how the Yxy color 73.6843, 0.3165, 0.5834 looks on a white background.

Color Contrast Check

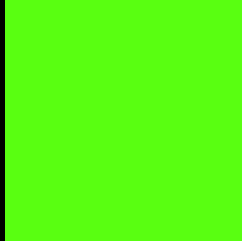
Large Text (above 18pt) WCAG AA × Fail

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 73.6843, 0.3165, 0.5834 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 73.6843, 0.3165, 0.5834

Background



This preview shows how black text looks on a background with the Yxy color 73.6843, 0.3165, 0.5834.



This preview shows how white text looks on a background with the Yxy color 73.6843, 0.3165, 0.5834.

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

73.6843, 0.3165, 0.5834

Protanopia

71.8526, 0.4410, 0.4881

Deuteranopia

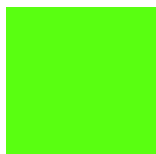
71.7197, 0.3869, 0.3897



Tritanopia

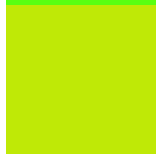
72.6999, 0.2477, 0.3068

Trichromacy



Original Color

73.6843, 0.3165, 0.5834



Protanomaly

69.3673, 0.3869, 0.5299



Deuteranomaly

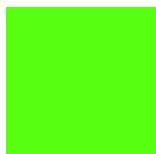
68.6606, 0.3646, 0.4717



Tritanomaly

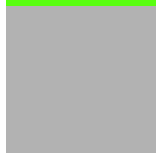
70.9933, 0.2827, 0.4270

Monochromacy



Original Color

73.6843, 0.3165, 0.5834



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.5855, 0.3260, 0.4514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6843, 0.3165, 0.5834 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(89, 255, 17)` looks like.

```
.text, #text, p{  
    color:rgb(89, 255, 17)  
}
```

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(89, 255, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 255, 17) }
```

Border

The CSS property to change the border of an element to Yxy 73.6843, 0.3165, 0.5834 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(89, 255, 17) }
```

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

```
.border{ border-color:rgb(89, 255, 17) }
```

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

Here you see how a box with a 4 pixel rgb(89, 255, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 255, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 255, 17);  
box-shadow:4px 4px 4px 4px rgb(89, 255,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6843, 0.3165, 0.5834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 255, 17) }
```

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

```
.background{ background-color: rgb(89, 255,  
17) }
```

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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