

Converting Colors

$Yxy(68.0361, 0.3233, 0.5794)$

Have a look what the booklet for
Yxy(68.0361, 0.3233, 0.5794)
contains.

Yxy(68.0361, 0.3233, 0.5794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.0361, 0.3233, 0.5794)

Conversions

Conversions Part 1

Format	Color
Hex	64F50A
RGB	100, 245, 10
RGB Percent	39%, 96%, 4%
CMY	0.6079, 0.0392, 0.9597
CMYK	0.59, 0.00, 0.96, 0.04
HSL	97°, 92%, 50%
HSV	97°, 96%, 96%
XYZ	37.9635, 68.0361, 11.4255
YIQ	174.8550, -10.9850, -103.8250

Conversions

Conversions Part 2

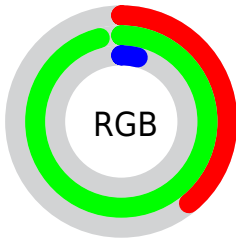
Format	Color
RYB	10, 245, 155
Decimal	6616330
CIELab	86.02, -71.54, 81.57
CIELCh	86, 108.495, 131.250
Yxy	68.0361, 0.3233, 0.5794
Android (android.graphics.Color)	4284806410 (0xFF64F50A)
YUV	174.8550, -81.2735, -65.6478
Hunter-Lab	82.4840, -62.1918, 49.5261

Details

The Yxy color **68.0361, 0.3233, 0.5794** 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 **13.8126, 0.2295, 0.1051**, and the grayscale version is **43.2411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3096, 0.3400, 0.5128**, and **35.5406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **67.6685, 0.3210, 0.5833**, and if you desaturate by 10%, it is **69.0812, 0.3284, 0.5666**.

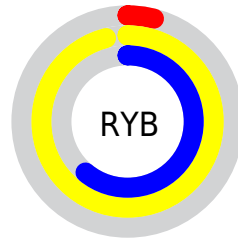
Distribution



Red (39%)

Green (96%)

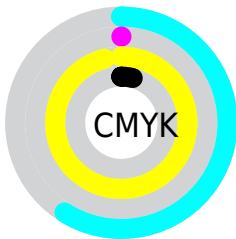
Blue (4%)



Red (4%)

Yellow (96%)

Blue (61%)

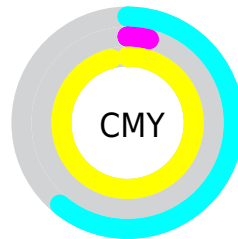


Cyan (59%)

Magenta (0%)

Yellow (96%)

Black (4%)



Cyan (61%)


Magenta (4%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0361, 0.3233, 0.5794 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 68.0361, 0.3233, 0.5794 by changing the saturation by 10% instead.


 68.0361, 0.3233,
0.5794

 68.0361, 0.3233,
0.5794

 453.6239, 0.3308,
0.4565


 49.9271, 0.3175,
0.6067


 116.4038, 0.3291,
0.5368


 35.3555, 0.3083,
0.6390


 147.4313, 0.3303,
0.5201


 23.9368, 0.2933,
0.6770


 183.5337, 0.3310,
0.5057

 15.2868, 0.2719,
0.7281

 225.0955, 0.3314,
0.4932

 9.0209, 0.2309,
0.7691

 272.5010, 0.3314,
0.4822

 4.7548, 0.1739,
0.8261

 326.1346, 0.3313,

 2.1041, 0.0000,

0.4726

1.0000

386.3808, 0.3311,
0.4641

■ 0.6669, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0361, 0.3233,
0.5794

■ 68.0361, 0.3233,
0.5794


■ 67.6685, 0.3210,
0.5833


■ 69.0812, 0.3284,
0.5666

■ 70.3930, 0.3320,
0.5474


■ 72.0004, 0.3337,
0.5225


■ 73.9252, 0.3336,
0.4935

 76.1869, 0.3319,
0.4622

 78.8030, 0.3289,
0.4305

 81.7897, 0.3249,
0.3995

 85.1621, 0.3204,
0.3703

 88.9345, 0.3156,
0.3435

Harmonies

Analogous

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



68.0361, 0.4344, 0.5300



68.0361, 0.3233, 0.5794



68.0361, 0.2151, 0.5028

Triad

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



68.0361, 0.3233, 0.5794



68.0361, 0.1222, 0.1648



68.0361, 0.5112, 0.2807

Complementary

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



68.0361, 0.3233, 0.5794



13.8126, 0.2295, 0.1051

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.



68.0361, 0.3831, 0.2147



68.0361, 0.3233, 0.5794



68.0361, 0.1659, 0.1516

Square

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



68.0361, 0.3233, 0.5794



68.0361, 0.1130, 0.2201



68.0361, 0.2528, 0.1693



68.0361, 0.5633, 0.3557

Rectangle

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



68.0361, 0.3233, 0.5794



68.0361, 0.1600, 0.3937



68.0361, 0.2528, 0.1693



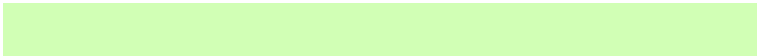
68.0361, 0.4738, 0.2573

Sweetspot

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



68.0390, 0.3233, 0.5794



88.4597, 0.3263, 0.4094



42.8868, 0.5030, 0.4363



18.6363, 0.3279, 0.4227



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.



68.0390, 0.3233, 0.5794



74.0872, 0.3208, 0.5835



65.5114, 0.2975, 0.5884



18.7807, 0.3173, 0.3531



36.5264, 0.3221, 0.5824



3.2674, 0.3318, 0.5748

Inverse Universe

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



13.8126, 0.2295, 0.1051



14.4417, 0.2254, 0.1016



24.6784, 0.3517, 0.1723



16.4336, 0.3077, 0.3052



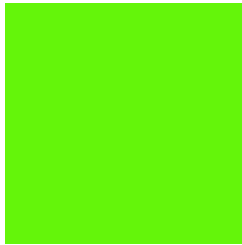
7.1963, 0.2271, 0.1025



0.6914, 0.2387, 0.1089

Previews

White Background



This preview shows how the Yxy color 68.0361, 0.3233, 0.5794 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 68.0361, 0.3233, 0.5794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

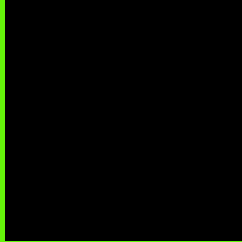
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

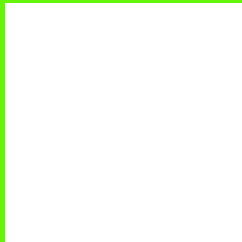
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0361, 0.3233, 0.5794

Background



This preview shows how black text looks on a background with the Yxy color 68.0361, 0.3233, 0.5794.



This preview shows how white text looks on a background with the Yxy color 68.0361, 0.3233, 0.5794.

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

68.0361, 0.3233, 0.5794

Protanopia

66.7939, 0.4409, 0.4882

Deuteranopia

66.3527, 0.4139, 0.4120



Tritanopia

67.6296, 0.2501, 0.3074

Trichromacy



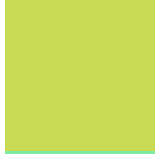
Original Color

68.0361, 0.3233, 0.5794



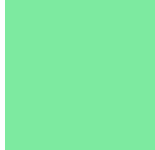
Protanomaly

64.8063, 0.3915, 0.5266



Deuteranomaly

63.9377, 0.3831, 0.4834



Tritanomaly

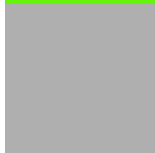
65.7437, 0.2880, 0.4281

Monochromacy



Original Color

68.0361, 0.3233, 0.5794



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

48.8423, 0.3313, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0361, 0.3233, 0.5794 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(100, 245, 10)` looks like.

```
.text, #text, p{  
    color:rgb(100, 245, 10)  
}
```

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(100, 245, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 245, 10) }
```

Border

The CSS property to change the border of an element to Yxy 68.0361, 0.3233, 0.5794 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(100, 245, 10) }
```

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

```
.border{ border-color:rgb(100, 245, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 245, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 245, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 245, 10);  
box-shadow:4px 4px 4px 4px rgb(100, 245,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0361, 0.3233, 0.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 245, 10) }
```

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

```
.background{ background-color: rgb(100,  
245, 10) }
```

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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