

Converting Colors

$Y_{xy}(60.4017, 0.3211, 0.5832)$

Have a look what the booklet for
Yxy(60.4017, 0.3211, 0.5832)
contains.

Yxy(60.4017, 0.3211, 0.5832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.4017, 0.3211, 0.5832)

Conversions

Conversions Part 1

Format	Color
Hex	59E900
RGB	89, 233, 0
RGB Percent	35%, 91%, 0%
CMY	0.6512, 0.0862, 0.9991
CMYK	0.62, 0.00, 1.00, 0.09
HSL	97°, 100%, 46%
HSV	97°, 100%, 91%
XYZ	33.2561, 60.4017, 9.9116
YIQ	163.3820, -11.0310, -102.9910

Conversions

Conversions Part 2

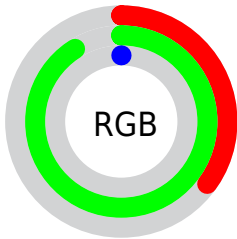
Format	Color
RYB	0, 233, 144
Decimal	5892352
CIELab	82.06, -70.33, 79.09
CIELCh	82, 105.838, 131.642
Yxy	60.4017, 0.3211, 0.5832
Android (android.graphics.Color)	4284082432 (0xFF59E900)
YUV	163.3820, -80.5473, -65.2330
Hunter-Lab	77.7185, -59.6264, 46.8416

Details

The Yxy color **60.4017, 0.3211, 0.5832** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **11.8438, 0.2262, 0.1020**, and the grayscale version is **37.2166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1931, 0.3356, 0.5208**, and **31.0507, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.3967, 0.3210, 0.5833**, and if you desaturate by 10%, it is **61.2519, 0.3265, 0.5724**.

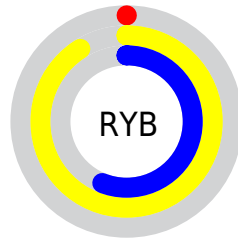
Distribution



Red (35%)

Green (91%)

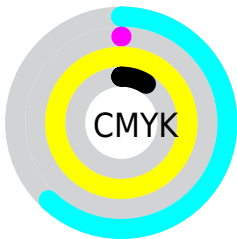
Blue (0%)



Red (0%)

Yellow (91%)

Blue (56%)

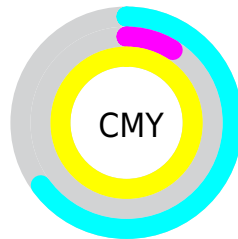


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (65%)


Magenta (9%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4017, 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 60.4017, 0.3211, 0.5832 by changing the saturation by 10% instead.


 60.4017, 0.3211,
0.5832


 60.4017, 0.3211,
0.5832


 426.0768, 0.3299,
0.4557

 43.7425, 0.3146,
0.6121


 105.4122, 0.3276,
0.5384


 30.4681, 0.3041,
0.6466


 134.5322, 0.3290,
0.5210

 20.1942, 0.2871,
0.6875


 168.5747, 0.3298,
0.5061

 12.5363, 0.2610,
0.7390

 207.9239, 0.3303,
0.4932

 7.1100, 0.2150,
0.7850

 252.9644, 0.3304,
0.4820

 3.5310, 0.1461,
0.8539

 304.0804, 0.3303,

 1.4148, 0.0000,

0.4721

1.0000

361.6564, 0.3301,
0.4634

■ 0.2276, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4017, 0.3211,
0.5832

■ 60.4017, 0.3211,
0.5832

■ 60.3967, 0.3210,
0.5833

■ 61.2519, 0.3265,
0.5724

■ 62.3231, 0.3307,
0.5556

■ 63.6487, 0.3332,
0.5328

■ 65.2493, 0.3338,
0.5053

■ 67.1428, 0.3327,
0.4748

■ 69.3453, 0.3301,
0.4431

■ 71.8718, 0.3265,
0.4118

■ 74.7359, 0.3222,
0.3819

■ 77.9506, 0.3175,
0.3541

Harmonies

Analogous

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



60.4017, 0.4335, 0.5329



60.4017, 0.3211, 0.5832



60.4017, 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.



60.4017, 0.3211, 0.5832



60.4017, 0.1207, 0.1625



60.4017, 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.



60.4017, 0.3211, 0.5832



11.8438, 0.2262, 0.1020

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.



60.4017, 0.3858, 0.2141



60.4017, 0.3211, 0.5832



60.4017, 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.



60.4017, 0.3211, 0.5832



60.4017, 0.1109, 0.2173



60.4017, 0.2534, 0.1680



60.4017, 0.5665, 0.3562

Rectangle

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



60.4017, 0.3211, 0.5832



60.4017, 0.1571, 0.3923



60.4017, 0.2534, 0.1680



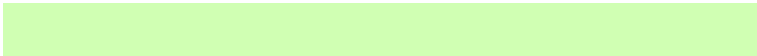
60.4017, 0.4777, 0.2571

Sweetspot

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



60.4043, 0.3211, 0.5832



88.1147, 0.3266, 0.4125



37.2043, 0.5085, 0.4344



18.5693, 0.3282, 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.



60.4043, 0.3211, 0.5832



74.0719, 0.3207, 0.5835



58.3648, 0.2980, 0.5926



17.1419, 0.3173, 0.3529



34.3335, 0.3221, 0.5824



2.7497, 0.3329, 0.5739

Inverse Universe

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



11.8438, 0.2262, 0.1020



14.4698, 0.2257, 0.1017



21.7789, 0.3532, 0.1720



15.0105, 0.3077, 0.3053



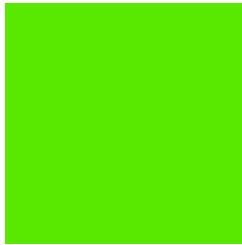
6.7859, 0.2275, 0.1027



0.5878, 0.2403, 0.1098

Previews

White Background



This preview shows how the Yxy color 60.4017, 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 60.4017, 0.3211, 0.5832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

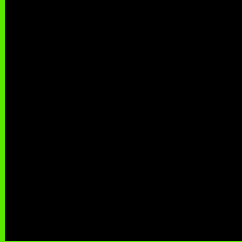
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

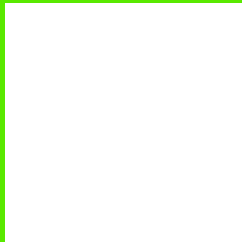
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.4017, 0.3211, 0.5832

Background



This preview shows how black text looks on a background with the Yxy color 60.4017, 0.3211, 0.5832.



This preview shows how white text looks on a background with the Yxy color 60.4017, 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

60.4017, 0.3211, 0.5832

Protanopia

59.2059, 0.4403, 0.4886

Deuteranopia

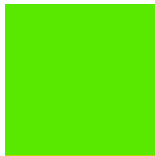
59.1810, 0.4631, 0.4519



Tritanopia

60.1554, 0.2483, 0.3075

Trichromacy



Original Color

60.4017, 0.3211, 0.5832



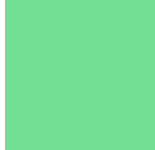
Protanomaly

57.4402, 0.3888, 0.5295



Deuteranomaly

56.3267, 0.4053, 0.5066



Tritanomaly

58.5227, 0.2871, 0.4336

Monochromacy



Original Color

60.4017, 0.3211, 0.5832



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.2002, 0.3313, 0.4564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4017, 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(89, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(89, 233, 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(89, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 233, 0) }
```

Border

The CSS property to change the border of an element to Yxy 60.4017, 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(89, 233, 0) }
```

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

```
.border{ border-color:rgb(89, 233, 0) }
```

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

Here you see how a box with a 4 pixel rgb(89, 233, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(89, 233, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 60.4017, 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(89, 233, 0) }
```

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

```
.background{ background-color: rgb(89, 233,  
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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