

# Converting Colors

$Y_{xy}(57.1209, 0.3232, 0.5816)$

Have a look what the booklet for  
Yxy(57.1209, 0.3232, 0.5816)  
contains.

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# Color

**Yxy(57.1623, 0.3233, 0.5815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE300
RGB	91, 227, 0
RGB Percent	36%, 89%, 0%
CMY	0.6433, 0.1098, 0.9999
CMYK	0.60, 0.00, 1.00, 0.11
HSL	96°, 100%, 45%
HSV	96°, 100%, 89%
XYZ	31.7809, 57.1623, 9.3583
YIQ	160.4580, -8.1890, -99.4290

# Conversions

## Conversions Part 2

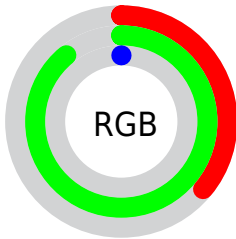
Format	Color
<b>RYB</b>	0, 227, 136
Decimal	6021888
CIELab	80.27, -67.92, 77.72
CIELCh	80, 103.218, 131.150
Yxy	57.1623, 0.3233, 0.5815
Android (android.graphics.Color)	4284211968 (0xFF5BE300)
YUV	160.4580, -79.1058, -60.9147
Hunter-Lab	75.6058, -57.2776, 45.5853

# Details

The Yxy color **57.1623, 0.3233, 0.5815** 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 **10.7871, 0.2219, 0.0996**, and the grayscale version is **35.7509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2760, 0.3366, 0.5213**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.1639, 0.3233, 0.5815**, and if you desaturate by 10%, it is **57.9804, 0.3287, 0.5706**.

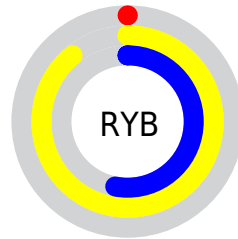
# Distribution



Red (36%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (53%)

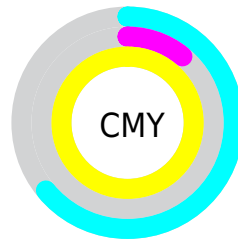


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (64%)

Magenta (11%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1623, 0.3233, 0.5815 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 57.1623, 0.3233, 0.5815 by changing the saturation by 10% instead.





 57.1623, 0.3233,  
0.5815


 57.1623, 0.3233,  
0.5815

414.0572, 0.3309,  
0.4539


 41.1356, 0.3169,  
0.6107


 100.7020, 0.3294,  
0.5365


 28.4250, 0.3064,  
0.6455


 128.9837, 0.3307,  
0.5190


 18.6463, 0.2894,  
0.6875

 162.1192, 0.3314,  
0.5041

 11.4150, 0.2618,  
0.7382

 200.4929, 0.3317,  
0.4912

 6.3467, 0.2142,  
0.7858

 244.4891, 0.3317,  
0.4800

 3.0570, 0.1345,  
0.8655

 294.4923, 0.3315,

 1.1616, 0.0000,

0.4702

1.0000

350.8869, 0.3313,  
0.4616

■ 0.0300, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.1623, 0.3233,  
0.5815

■ 57.1623, 0.3233,  
0.5815

■ 57.1639, 0.3233,  
0.5815

■ 57.9804, 0.3287,  
0.5706

■ 58.9990, 0.3329,  
0.5540

■ 60.2492, 0.3352,  
0.5315

■ 61.7498, 0.3356,  
0.5042

■ 63.5169, 0.3342,  
0.4741

■ 65.5652, 0.3314,  
0.4427

■ 67.9081, 0.3275,  
0.4117

■ 70.5580, 0.3229,  
0.3819

■ 73.5267, 0.3179,  
0.3543

# Harmonies

## Analogous

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



57.1623, 0.4351, 0.5307



57.1623, 0.3233, 0.5815



57.1623, 0.2145, 0.5049

# Triad

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



57.1623, 0.3233, 0.5815



57.1623, 0.1211, 0.1638



57.1623, 0.5124, 0.2800

# Complementary

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



57.1623, 0.3233, 0.5815



10.7871, 0.2219, 0.0996

# 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.



57.1623, 0.3831, 0.2138



57.1623, 0.3233, 0.5815



57.1623, 0.1648, 0.1506

# Square

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



57.1623, 0.3233, 0.5815



57.1623, 0.1120, 0.2194



57.1623, 0.2520, 0.1682



57.1623, 0.5651, 0.3552



# Rectangle

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



57.1623, 0.3233, 0.5815



57.1623, 0.1591, 0.3948



57.1623, 0.2520, 0.1682



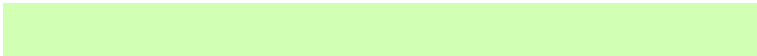
57.1623, 0.4746, 0.2565

# Sweetspot

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



57.1647, 0.3233, 0.5815



88.3315, 0.3276, 0.4123



32.9522, 0.5180, 0.4269



18.6201, 0.3293, 0.4254



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.



57.1647, 0.3233, 0.5815



74.3543, 0.3229, 0.5818



54.9893, 0.2987, 0.5954



16.3695, 0.3176, 0.3529



33.3993, 0.3244, 0.5807



2.5210, 0.3358, 0.5716



# Inverse Universe

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



10.7871, 0.2219, 0.0996



13.9764, 0.2213, 0.0993



20.8913, 0.3433, 0.1665



14.3121, 0.3074, 0.3054



6.3594, 0.2233, 0.1003

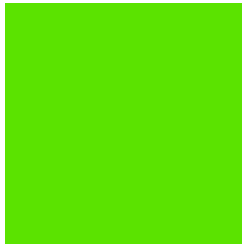


0.5236, 0.2373, 0.1081



# Previews

## White Background



This preview shows how the Yxy color 57.1623, 0.3233, 0.5815 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 57.1623, 0.3233, 0.5815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

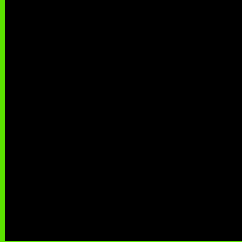
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.1623, 0.3233, 0.5815**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1623, 0.3233, 0.5815.



This preview shows how white text looks on a background with the Yxy color 57.1623, 0.3233, 0.5815.

# 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

57.1623, 0.3233, 0.5815

### Protanopia

56.0761, 0.4408, 0.4882

### Deuteranopia

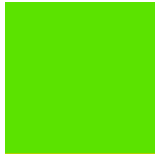
55.7023, 0.4629, 0.4524



## Tritanopia

56.7792, 0.2499, 0.3071

# Trichromacy



## Original Color

57.1623, 0.3233, 0.5815



## Protanomaly

54.7149, 0.3906, 0.5280



## Deuteranomaly

53.4112, 0.4060, 0.5061



## Tritanomaly

55.3149, 0.2894, 0.4327

# Monochromacy



## Original Color

57.1623, 0.3233, 0.5815



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

40.3912, 0.3328, 0.4552

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1623, 0.3233, 0.5815 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(91, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 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(91, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1623, 0.3233, 0.5815 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(91, 227, 0) }
```

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

```
.border{ border-color:rgb(91, 227, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 227, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(91, 227, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 57.1623, 0.3233, 0.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 0) }
```

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

```
.background{ background-color: rgb(91, 227,  
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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