

# Converting Colors

$Y_{xy}(60.8707, 0.3305, 0.5758)$

Have a look what the booklet for  
Yxy(60.8707, 0.3305, 0.5758)  
contains.

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**Color**

**Yxy(60.8390, 0.3305, 0.5758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BE800
RGB	107, 232, 0
RGB Percent	42%, 91%, 0%
CMY	0.5804, 0.0902, 1.0000
CMYK	0.54, 0.00, 1.00, 0.09
HSL	92°, 100%, 45%
HSV	92°, 100%, 91%
XYZ	34.9206, 60.8390, 9.9003
YIQ	168.1770, -0.0280, -98.6520

# Conversions

## Conversions Part 2

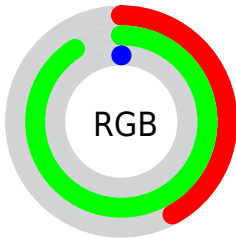
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 232, 125
Decimal	7071744
CIELab	82.29, -65.56, 79.53
CIELCh	82, 103.073, 129.499
Yxy	60.8390, 0.3305, 0.5758
Android (android.graphics.Color)	4285261824 (0xFF6BE800)
YUV	168.1770, -82.9113, -53.6522
Hunter-Lab	77.9994, -56.5837, 47.0740

# Details

The Yxy color **60.8390, 0.3305, 0.5758** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **10.1859, 0.2087, 0.0923**, and the grayscale version is **39.6678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7706, 0.3449, 0.5150**, and **30.8930, 0.3046, 0.5963** is the 20% darker color. If you saturate the color by 10%, you get **60.8417, 0.3305, 0.5758**, and if you desaturate by 10%, it is **61.7360, 0.3359, 0.5652**.

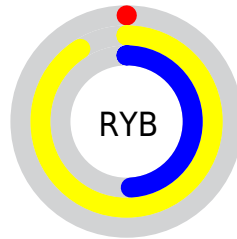
# Distribution



Red (42%)

Green (91%)

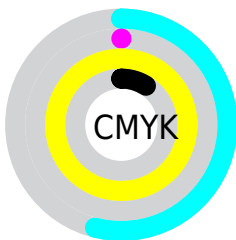
Blue (0%)



Red (0%)

Yellow (91%)

Blue (49%)

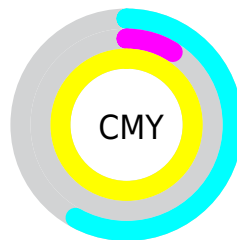


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (58%)

Magenta (9%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8390, 0.3305, 0.5758 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 60.8390, 0.3305, 0.5758 by changing the saturation by 10% instead.



 60.8390, 0.3305,  
0.5758

 60.8390, 0.3305,  
0.5758


 427.6834, 0.3345,  
0.4531


 44.0952, 0.3252,  
0.6033


 106.0458, 0.3352,  
0.5330


 30.7454, 0.3161,  
0.6359


 135.2776, 0.3361,  
0.5163


 20.4051, 0.3010,  
0.6744


 169.4409, 0.3363,  
0.5019

 12.6898, 0.2773,  
0.7227

 208.9201, 0.3363,  
0.4895

 7.2153, 0.2340,  
0.7660

 254.0995, 0.3360,  
0.4786

 3.5971, 0.1716,  
0.8284

 305.3636, 0.3356,

 1.4508, 0.0000,

0.4691

1.0000

363.0968, 0.3351,  
0.4606

■ 0.2538, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.8390, 0.3305,  
0.5758

■ 60.8390, 0.3305,  
0.5758

■ 60.8417, 0.3305,  
0.5758

■ 61.7360, 0.3359,  
0.5652

■ 62.8220, 0.3398,  
0.5491

■ 64.1276, 0.3417,  
0.5274

■ 65.6709, 0.3414,  
0.5012

■ 67.4675, 0.3392,  
0.4720

■ 69.5311, 0.3354,  
0.4415

■ 71.8746, 0.3305,  
0.4110

■ 74.5097, 0.3249,  
0.3817

■ 77.4474, 0.3188,  
0.3543

# Harmonies

## Analogous

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



60.8390, 0.4400, 0.5235



60.8390, 0.3305, 0.5758



60.8390, 0.2223, 0.5081

# Triad

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



60.8390, 0.3305, 0.5758



60.8390, 0.1225, 0.1684



60.8390, 0.5027, 0.2774

# Complementary

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



60.8390, 0.3305, 0.5758



10.1859, 0.2087, 0.0923

# 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.



60.8390, 0.3741, 0.2126



60.8390, 0.3305, 0.5758



60.8390, 0.1638, 0.1532

# Square

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



60.8390, 0.3305, 0.5758



60.8390, 0.1154, 0.2266



60.8390, 0.2473, 0.1690



60.8390, 0.5601, 0.3517



# Rectangle

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



60.8390, 0.3305, 0.5758



60.8390, 0.1658, 0.4027



60.8390, 0.2473, 0.1690



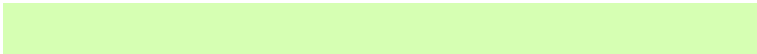
60.8390, 0.4644, 0.2543

# Sweetspot

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



60.8417, 0.3305, 0.5758



89.0183, 0.3306, 0.4115



31.5054, 0.5329, 0.4150



18.7814, 0.3328, 0.4243



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.



60.8417, 0.3305, 0.5758



75.3448, 0.3301, 0.5761



57.7322, 0.2996, 0.5984



16.4132, 0.3185, 0.3528



33.8489, 0.3317, 0.5749



2.5561, 0.3430, 0.5659



# Inverse Universe

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



10.1859, 0.2087, 0.0923



12.5708, 0.2082, 0.0921



22.5529, 0.3295, 0.1589



14.2676, 0.3064, 0.3053



5.7304, 0.2103, 0.0932

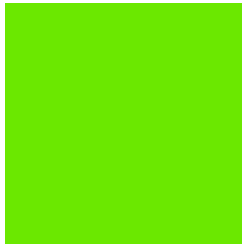


0.4786, 0.2256, 0.1016



# Previews

## White Background



This preview shows how the Yxy color 60.8390, 0.3305, 0.5758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

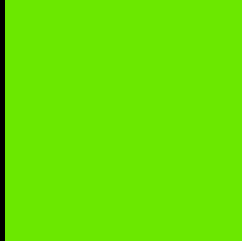
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8390, 0.3305, 0.5758 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

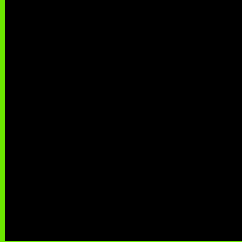
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

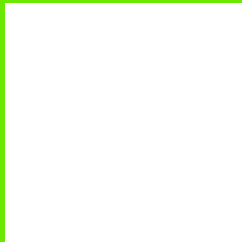
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.8390, 0.3305, 0.5758**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8390, 0.3305, 0.5758.



This preview shows how white text looks on a background with the Yxy color 60.8390, 0.3305, 0.5758.

# 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

60.8390, 0.3305, 0.5758

### Protanopia

59.8437, 0.4402, 0.4887

### Deuteranopia

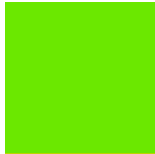
59.6663, 0.4604, 0.4505



## Tritanopia

60.5704, 0.2545, 0.3078

# Trichromacy



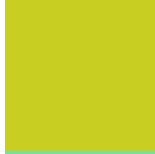
## Original Color

60.8390, 0.3305, 0.5758



## Protanomaly

58.4074, 0.3954, 0.5242



## Deuteranomaly

57.1586, 0.4098, 0.5017



## Tritanomaly

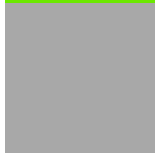
58.9699, 0.2955, 0.4317

# Monochromacy



## Original Color

60.8390, 0.3305, 0.5758



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

44.4341, 0.3371, 0.4520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8390, 0.3305, 0.5758 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(107, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 232, 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(107, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 232, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8390, 0.3305, 0.5758 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(107, 232, 0) }
```

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

```
.border{ border-color:rgb(107, 232, 0) }
```

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

Here you see how a box with a 4 pixel rgb(107, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 232,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8390, 0.3305, 0.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 232, 0) }
```

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

```
.background{ background-color: rgb(107,  
232, 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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