

# Converting Colors

$Y_{xy}(60.5459, 0.3063, 0.5738)$

Have a look what the booklet for  
Yxy(60.5459, 0.3063, 0.5738)  
contains.

<b>Yxy(60.7457, 0.3061, 0.5739)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(60.7457, 0.3061, 0.5739)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41EB2F
RGB	65, 235, 47
RGB Percent	25%, 92%, 18%
CMY	0.7452, 0.0784, 0.8158
CMYK	0.72, 0.00, 0.80, 0.08
HSL	114°, 82%, 55%
HSV	114°, 80%, 92%
XYZ	32.3998, 60.7457, 12.7017
YIQ	162.7380, -40.9720, -94.5080

# Conversions

## Conversions Part 2

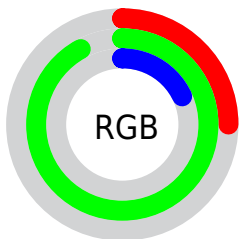
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 235, 217
Decimal	4320047
CIELab	82.24, -74.18, 71.66
CIELCh	82, 103.138, 135.989
Yxy	60.7457, 0.3061, 0.5739
Android (android.graphics.Color)	4282510127 (0xFF41EB2F)
YUV	162.7380, -57.0588, -85.7162
Hunter-Lab	77.9395, -62.1909, 44.8953

# Details

The Yxy color **60.7457, 0.3061, 0.5739** 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 **22.7774, 0.3014, 0.1539**, and the grayscale version is **36.7816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9425, 0.3177, 0.5070**, and **31.8408, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.0134, 0.3038, 0.5901**, and if you desaturate by 10%, it is **61.8576, 0.3083, 0.5497**.

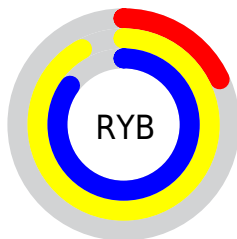
# Distribution



Red (25%)

Green (92%)

Blue (18%)



Red (18%)

Yellow (92%)

Blue (85%)

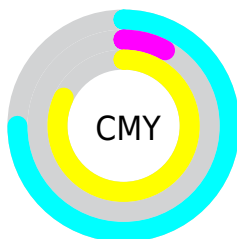


Cyan (72%)

Magenta (0%)

Yellow (80%)

Black (8%)



Cyan (75%)

Magenta (8%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7457, 0.3061, 0.5739 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 60.7457, 0.3061, 0.5739 by changing the saturation by 10% instead.





 60.7457, 0.3061,  
0.5739


 60.7457, 0.3061,  
0.5739


427.3410, 0.3200,  
0.4488

 44.0200, 0.2992,  
0.6035

 105.9106, 0.3137,  
0.5291

 30.6862, 0.2886,  
0.6397


 135.1186, 0.3158,  
0.5120

 20.3600, 0.2718,  
0.6837


 169.2562, 0.3173,  
0.4974

 12.6570, 0.2483,  
0.7469

 208.7077, 0.3183,  
0.4849

 7.1928, 0.2019,  
0.7981

 253.8575, 0.3190,  
0.4741

 3.5830, 0.1288,  
0.8712

305.0901, 0.3195,

 1.4431, 0.0000,

0.4646

1.0000

362.7898, 0.3198,  
0.4562

■ 0.2482, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.7457, 0.3061,  
0.5739

■ 60.7457, 0.3061,  
0.5739

■ 60.0134, 0.3038,  
0.5901

■ 61.8576, 0.3083,  
0.5497


■ 59.5966, 0.3018,  
0.5985


■ 63.3832, 0.3101,  
0.5193


■ 65.3612, 0.3115,  
0.4852


■ 67.8238, 0.3125,  
0.4500

 70.8004, 0.3130,  
0.4158

 74.3176, 0.3131,  
0.3837

 78.4008, 0.3130,  
0.3548

 83.0731, 0.3127,  
0.3290

 87.9000, 0.3136,  
0.3097

# Harmonies

## Analogous

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



60.7457, 0.4173, 0.5407



60.7457, 0.3061, 0.5739



60.7457, 0.2018, 0.4766

# Triad

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



60.7457, 0.3061, 0.5739



60.7457, 0.1283, 0.1619



60.7457, 0.5233, 0.2929

# Complementary

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



60.7457, 0.3061, 0.5739



22.7774, 0.3014, 0.1539

# 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.



60.7457, 0.4044, 0.2252



60.7457, 0.3061, 0.5739



60.7457, 0.1779, 0.1540

# Square

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



60.7457, 0.3061, 0.5739



60.7457, 0.1140, 0.2091



60.7457, 0.2716, 0.1760



60.7457, 0.5601, 0.3686



# Rectangle

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



60.7457, 0.3061, 0.5739



60.7457, 0.1519, 0.3672



60.7457, 0.2716, 0.1760



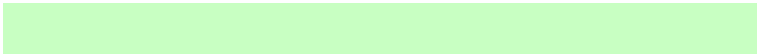
60.7457, 0.4903, 0.2691

# Sweetspot

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



60.7482, 0.3061, 0.5739



87.6395, 0.3131, 0.3965



67.0831, 0.4273, 0.4827



18.4387, 0.3130, 0.4080



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.



60.7482, 0.3061, 0.5739



71.8767, 0.3024, 0.5961



61.4330, 0.2767, 0.4940



16.9312, 0.3130, 0.3533



33.1905, 0.3023, 0.5982



2.6298, 0.3077, 0.5939



# Inverse Universe

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



22.7774, 0.3014, 0.1539



24.5198, 0.2974, 0.1422



22.2237, 0.4199, 0.2243



15.2361, 0.3123, 0.3057



11.1986, 0.2969, 0.1409

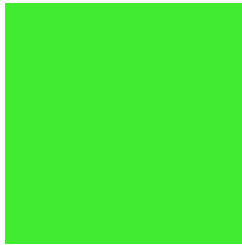


0.9007, 0.3005, 0.1429



# Previews

## White Background



This preview shows how the Yxy color 60.7457, 0.3061, 0.5739 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 60.7457, 0.3061, 0.5739 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 60.7457, 0.3061, 0.5739**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.7457, 0.3061, 0.5739.

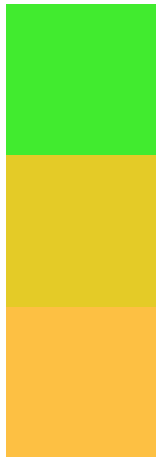


This preview shows how white text looks on a background with the Yxy color 60.7457, 0.3061, 0.5739.

# 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

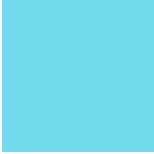
60.7457, 0.3061, 0.5739

### Protanopia

59.3523, 0.4346, 0.4801

### Deuteranopia

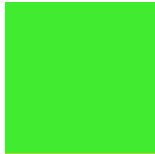
58.9872, 0.4544, 0.4439



## **Tritanopia**

60.3549, 0.2412, 0.3061

# Trichromacy



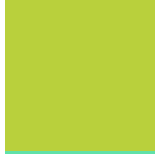
## Original Color

60.7457, 0.3061, 0.5739



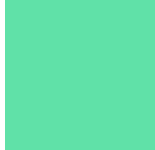
## Protanomaly

57.2031, 0.3757, 0.5231



## Deuteranomaly

55.7523, 0.3877, 0.4983



## Tritanomaly

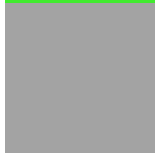
59.1644, 0.2688, 0.4097

# Monochromacy



## Original Color

60.7457, 0.3061, 0.5739



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

42.2877, 0.3123, 0.4344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7457, 0.3061, 0.5739 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(65, 235, 47)` looks like.

```
.text, #text, p{  
    color:rgb(65, 235, 47)  
}
```

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(65, 235, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 235, 47) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7457, 0.3061, 0.5739 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(65, 235, 47) }
```

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

```
.border{ border-color:rgb(65, 235, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 235, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 235, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 235, 47);  
box-shadow:4px 4px 4px 4px rgb(65, 235,  
47) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7457, 0.3061, 0.5739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 235, 47) }
```

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

```
.background{ background-color: rgb(65, 235,  
47) }
```

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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