

# Converting Colors

Yxy(60.5181, 0.3212, 0.5802)

Have a look what the booklet for  
Yxy(60.5181, 0.3212, 0.5802)  
contains.

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**Color**

**Yxy(60.5310, 0.3213, 0.5801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE90D
RGB	91, 233, 13
RGB Percent	36%, 91%, 5%
CMY	0.6430, 0.0863, 0.9500
CMYK	0.61, 0.00, 0.95, 0.09
HSL	99°, 90%, 48%
HSV	99°, 95%, 91%
XYZ	33.5263, 60.5310, 10.2885
YIQ	165.4620, -14.0120, -98.5240

# Conversions

## Conversions Part 2

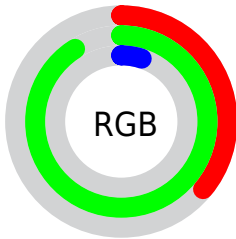
Format	Color
<a href="#">RYB</a>	<a href="#">13, 233, 155</a>
Decimal	<a href="#">6023437</a>
CIELab	<a href="#">82.13, -69.68, 78.09</a>
CIELCh	<a href="#">82, 104.654, 131.742</a>
Yxy	<a href="#">60.5310, 0.3213, 0.5801</a>
Android (android.graphics.Color)	<a href="#">4284213517 (0xFF5BE90D)</a>
YUV	<a href="#">165.4620, -75.1638, -65.3032</a>
Hunter-Lab	<a href="#">77.8017, -59.2337, 46.6207</a>

# Details

The Yxy color **60.5310, 0.3213, 0.5801** 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 **13.1083, 0.2369, 0.1096**, and the grayscale version is **38.2257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3433, 0.3352, 0.5179**, and **31.0507, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.1095, 0.3184, 0.5854**, and if you desaturate by 10%, it is **61.4744, 0.3262, 0.5663**.

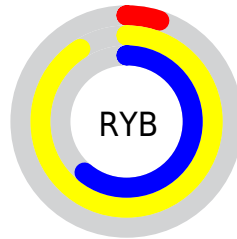
# Distribution



Red (36%)

Green (91%)

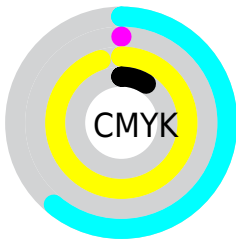
Blue (5%)



Red (5%)

Yellow (91%)

Blue (61%)

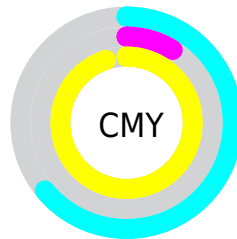


Cyan (61%)

Magenta (0%)

Yellow (95%)

Black (9%)



Cyan (64%)

Magenta (9%)


Yellow (95%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5310, 0.3213, 0.5801 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 60.5310, 0.3213, 0.5801 by changing the saturation by 10% instead.




 60.5310, 0.3213,  
0.5801


 60.5310, 0.3213,  
0.5801


 426.5523, 0.3296,  
0.4540


 43.8468, 0.3151,  
0.6088


 105.5996, 0.3275,  
0.5358


 30.5501, 0.3049,  
0.6431


 134.7527, 0.3289,  
0.5186

 20.2565, 0.2884,  
0.6838


 168.8309, 0.3296,  
0.5038

 12.5816, 0.2634,  
0.7366

 208.2186, 0.3300,  
0.4911

 7.1411, 0.2178,  
0.7822

 253.3002, 0.3301,  
0.4800

 3.5505, 0.1501,  
0.8499

 304.4601, 0.3300,

 1.4254, 0.0000,

0.4703

1.0000

362.0827, 0.3299,  
0.4617

■ 0.2354, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.5310, 0.3213,  
0.5801

■ 60.5310, 0.3213,  
0.5801


■ 60.1095, 0.3184,  
0.5854


■ 61.4744, 0.3262,  
0.5663


■ 62.6690, 0.3296,  
0.5459


■ 64.1405, 0.3312,  
0.5200


■ 65.9091, 0.3312,  
0.4903

 67.9925, 0.3296,  
0.4586

 70.4070, 0.3268,  
0.4266

 73.1674, 0.3232,  
0.3957

 76.2878, 0.3191,  
0.3667

 79.7814, 0.3147,  
0.3402

# Harmonies

## Analogous

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



60.5310, 0.4328, 0.5317



60.5310, 0.3213, 0.5801



60.5310, 0.2132, 0.5010

# Triad

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



60.5310, 0.3213, 0.5801



60.5310, 0.1223, 0.1639



60.5310, 0.5134, 0.2817

# Complementary

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



60.5310, 0.3213, 0.5801



13.1083, 0.2369, 0.1096

# 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.



60.5310, 0.3856, 0.2154



60.5310, 0.3213, 0.5801



60.5310, 0.1667, 0.1513

# Square

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



60.5310, 0.3213, 0.5801



60.5310, 0.1125, 0.2184



60.5310, 0.2545, 0.1695



60.5310, 0.5640, 0.3569



# Rectangle

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



60.5310, 0.3213, 0.5801



60.5310, 0.1585, 0.3911



60.5310, 0.2545, 0.1695



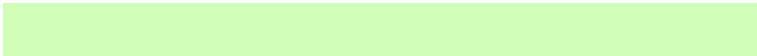
60.5310, 0.4762, 0.2582

# Sweetspot

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



60.5336, 0.3213, 0.5801



88.5151, 0.3246, 0.4067



39.8899, 0.4964, 0.4406



18.6346, 0.3262, 0.4201



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.



60.5336, 0.3213, 0.5801



73.7245, 0.3180, 0.5857



58.5316, 0.2967, 0.5842



17.1225, 0.3169, 0.3530



34.1693, 0.3194, 0.5846



2.7354, 0.3301, 0.5761



# Inverse Universe

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



13.1083, 0.2369, 0.1096



15.1538, 0.2316, 0.1050



21.9483, 0.3559, 0.1751



15.0305, 0.3081, 0.3054



7.1005, 0.2334, 0.1059

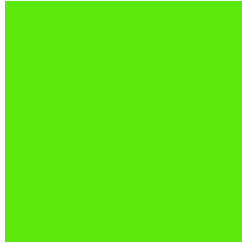


0.6111, 0.2455, 0.1126



# Previews

## White Background



This preview shows how the Yxy color 60.5310, 0.3213, 0.5801 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 60.5310, 0.3213, 0.5801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

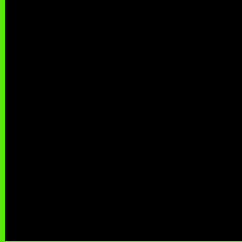
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

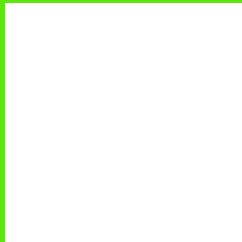
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.5310, 0.3213, 0.5801**

## Background



This preview shows how black text looks on a background with the Yxy color 60.5310, 0.3213, 0.5801.



This preview shows how white text looks on a background with the Yxy color 60.5310, 0.3213, 0.5801.

# 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

60.5310, 0.3213, 0.5801

### Protanopia

59.3699, 0.4411, 0.4880

### Deuteranopia

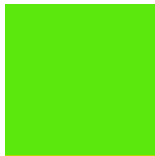
59.1896, 0.4627, 0.4515



## Tritanopia

60.3120, 0.2492, 0.3076

# Trichromacy



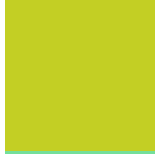
## Original Color

60.5310, 0.3213, 0.5801



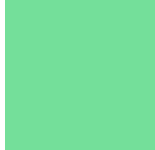
## Protanomaly

57.6878, 0.3900, 0.5274



## Deuteranomaly

56.3551, 0.4042, 0.5047



## Tritanomaly

58.8215, 0.2855, 0.4260

# Monochromacy



## Original Color

60.5310, 0.3213, 0.5801



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

43.3560, 0.3285, 0.4492

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.5310, 0.3213, 0.5801 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, 233, 13)` looks like.

```
.text, #text, p{  
    color:rgb(91, 233, 13)  
}
```

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, 233, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 233, 13) }
```

## Border

The CSS property to change the border of an element to Yxy 60.5310, 0.3213, 0.5801 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, 233, 13) }
```

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

```
.border{ border-color:rgb(91, 233, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 233, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 233, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 233, 13);  
box-shadow:4px 4px 4px 4px rgb(91, 233,  
13) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.5310, 0.3213, 0.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 233, 13) }
```

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

```
.background{ background-color: rgb(91, 233,  
13) }
```

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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