

# Converting Colors

$Y_{xy}(58.1536, 0.2767, 0.5113)$

Have a look what the booklet for  
Yxy(58.1536, 0.2767, 0.5113)  
contains.

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# Color

**Yxy(58.3751, 0.2769, 0.5120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	11E76D
RGB	17, 231, 109
RGB Percent	7%, 91%, 43%
CMY	0.9323, 0.0941, 0.5726
CMYK	0.93, 0.00, 0.53, 0.09
HSL	146°, 86%, 49%
HSV	146°, 93%, 91%
XYZ	31.5704, 58.3751, 24.0683
YIQ	153.1060, -88.3820, -83.3100

# Conversions

## Conversions Part 2

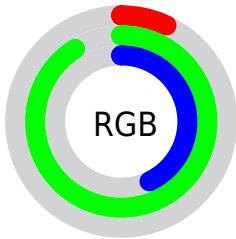
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 167, 231
Decimal	1173357
CIELab	80.95, -71.60, 46.22
CIELCh	81, 85.226, 147.156
Yxy	58.3751, 0.2769, 0.5120
Android (android.graphics.Color)	4279363437 (0xFF11E76D)
YUV	153.1060, -21.7443, -119.3650
Hunter-Lab	76.4036, -59.9490, 34.8052

# Details

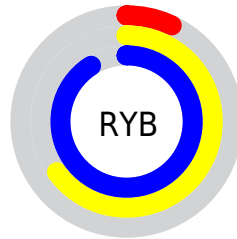
The Yxy color **58.3751, 0.2769, 0.5120** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **19.2707, 0.4539, 0.2311**, and the grayscale version is **32.0662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6091, 0.2824, 0.4468**, and **30.5675, 0.2867, 0.5520** is the 20% darker color. If you saturate the color by 10%, you get **58.0552, 0.2795, 0.5263**, and if you desaturate by 10%, it is **59.0200, 0.2746, 0.4913**.

# Distribution



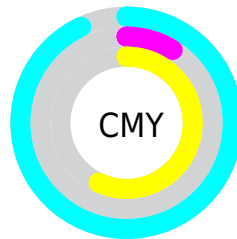
- Red (7%)
- Green (91%)
- Blue (43%)



- Red (7%)
- Yellow (65%)
- Blue (91%)



- Cyan (93%)
- Magenta (0%)
- Yellow (53%)
- Black (9%)




- Cyan (93%)
- Magenta (9%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3751, 0.2769, 0.5120 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 58.3751, 0.2769, 0.5120 by changing the saturation by 10% instead.





 58.3751, 0.2769,  
0.5120

 58.3751, 0.2769,  
0.5120


418.5822, 0.2991,  
0.4161

 42.1103, 0.2700,  
0.5366

 102.4689, 0.2860,  
0.4765


 29.1877, 0.2604,  
0.5684


 131.0667, 0.2891,  
0.4633


 19.2228, 0.2465,  
0.6103


 164.5442, 0.2916,  
0.4522

 11.8314, 0.2253,  
0.6671

 203.2859, 0.2937,  
0.4428

 6.6290, 0.1926,  
0.7509

 247.6761, 0.2954,  
0.4347

 3.2312, 0.1237,  
0.8763

298.0993, 0.2968,

 1.2536, 0.0000,

0.4277

1.0000

354.9399, 0.2981,  
0.4215

■ 0.1048, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.3751, 0.2769,  
0.5120

■ 58.3751, 0.2769,  
0.5120

■ 58.0552, 0.2795,  
0.5263

■ 59.0200, 0.2746,  
0.4913

■ 59.9838, 0.2742,  
0.4693

■ 61.3133, 0.2758,  
0.4467

■ 63.0453, 0.2791,  
0.4244

■ 65.2122, 0.2839,  
0.4029

■ 67.8429, 0.2898,  
0.3828

■ 70.9636, 0.2964,  
0.3643

■ 74.5987, 0.3035,  
0.3475

■ 78.7707, 0.3109,  
0.3325

# Harmonies

## Analogous

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



58.3751, 0.3758, 0.5301



58.3751, 0.2769, 0.5120



58.3751, 0.1929, 0.4019

# Triad

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



58.3751, 0.2769, 0.5120



58.3751, 0.1627, 0.1765



58.3751, 0.5124, 0.3269

# Complementary

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



58.3751, 0.2769, 0.5120



19.2707, 0.4539, 0.2311

# 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.



58.3751, 0.4327, 0.2610



58.3751, 0.2769, 0.5120



58.3751, 0.2222, 0.1790

# Square

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



58.3751, 0.2769, 0.5120



58.3751, 0.1381, 0.2065



58.3751, 0.3187, 0.2087



58.3751, 0.5197, 0.3991



# Rectangle

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



58.3751, 0.2769, 0.5120



58.3751, 0.1573, 0.3171



58.3751, 0.3187, 0.2087



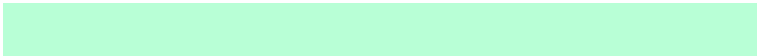
58.3751, 0.4930, 0.3040

# Sweetspot

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



58.3775, 0.2769, 0.5120



86.5283, 0.2926, 0.3745



62.9393, 0.3513, 0.5552



18.1743, 0.2898, 0.3827



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.



58.3775, 0.2769, 0.5120



72.6334, 0.2798, 0.5273



62.0872, 0.2323, 0.3531



16.1913, 0.3058, 0.3427



32.5703, 0.2787, 0.5233



2.4251, 0.2707, 0.4945



# Inverse Universe

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



19.2707, 0.4539, 0.2311



23.3220, 0.4696, 0.2361



17.5202, 0.6174, 0.3233



14.5052, 0.3203, 0.3157



10.4815, 0.4656, 0.2339

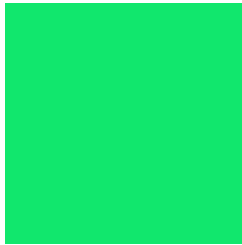


0.7931, 0.4387, 0.2190



# Previews

## White Background



This preview shows how the Yxy color 58.3751, 0.2769, 0.5120 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 58.3751, 0.2769, 0.5120 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

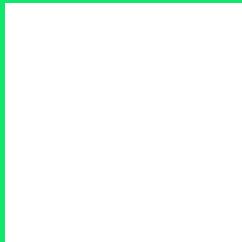
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.3751, 0.2769, 0.5120**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3751, 0.2769, 0.5120.

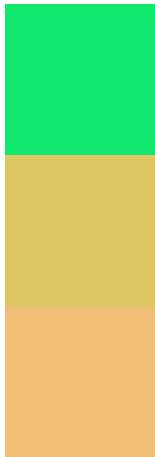


This preview shows how white text looks on a background with the Yxy color 58.3751, 0.2769, 0.5120.

# 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

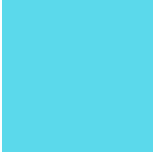
58.3751, 0.2769, 0.5120

### Protanopia

56.9443, 0.4046, 0.4418

### Deuteranopia

56.8837, 0.4129, 0.4044



## **Tritanopia**

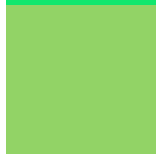
57.8480, 0.2329, 0.3054

# Trichromacy



## Original Color

58.3751, 0.2769, 0.5120



## Protanomaly

53.6588, 0.3348, 0.4784



## Deuteranomaly

52.3972, 0.3391, 0.4500



## Tritanomaly

57.0067, 0.2468, 0.3760

# Monochromacy



## Original Color

58.3751, 0.2769, 0.5120



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

37.7969, 0.2843, 0.4017

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3751, 0.2769, 0.5120 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(17, 231, 109)` looks like.

```
.text, #text, p{  
    color:rgb(17, 231, 109)  
}
```

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(17, 231, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 231, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3751, 0.2769, 0.5120 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(17, 231, 109) }
```

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

```
.border{ border-color:rgb(17, 231, 109) }
```

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

Here you see how a box with a 4 pixel rgb(17, 231, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 231, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 231, 109);  
box-shadow:4px 4px 4px 4px rgb(17, 231,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3751, 0.2769, 0.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 231, 109) }
```

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

```
.background{ background-color: rgb(17, 231,  
109) }
```

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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