

# Converting Colors

$Y_{xy}(60.6179, 0.2759, 0.5030)$

Have a look what the booklet for  
Yxy(60.6179, 0.2759, 0.5030)  
contains.

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# Color

**Yxy(60.4060, 0.2757, 0.5021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1EEA75
RGB	30, 234, 117
RGB Percent	12%, 92%, 46%
CMY	0.8822, 0.0823, 0.5413
CMYK	0.87, 0.00, 0.50, 0.08
HSL	146°, 83%, 52%
HSV	146°, 87%, 92%
XYZ	33.1686, 60.4060, 26.7322
YIQ	159.6660, -84.0270, -79.6350

# Conversions

## Conversions Part 2

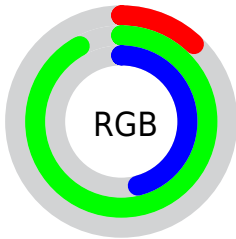
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 173, 234
Decimal	2026101
CIELab	82.06, -70.65, 43.83
CIElCh	82, 83.140, 148.183
Yxy	60.4060, 0.2757, 0.5021
Android (android.graphics.Color)	4280216181 (0xFF1EEA75)
YUV	159.6660, -21.0343, -113.7171
Hunter-Lab	77.7213, -59.8351, 34.0122

# Details

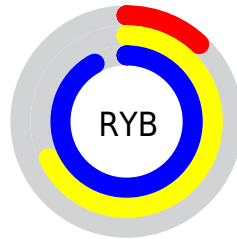
The Yxy color **60.4060, 0.2757, 0.5021** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **20.5327, 0.4422, 0.2289**, and the grayscale version is **35.1253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2422, 0.2808, 0.4355**, and **31.8259, 0.2838, 0.5416** is the 20% darker color. If you saturate the color by 10%, you get **59.8812, 0.2788, 0.5220**, and if you desaturate by 10%, it is **61.2395, 0.2744, 0.4805**.

# Distribution



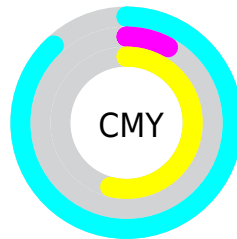
- Red (12%)
- Green (92%)
- Blue (46%)



- Red (12%)
- Yellow (68%)
- Blue (92%)



- Cyan (87%)
- Magenta (0%)
- Yellow (50%)
- Black (8%)




- Cyan (88%)
- Magenta (8%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4060, 0.2757, 0.5021 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 60.4060, 0.2757, 0.5021 by changing the saturation by 10% instead.





 60.4060, 0.2757,  
0.5021


 60.4060, 0.2757,  
0.5021


426.0927, 0.2979,  
0.4120

 43.7460, 0.2691,  
0.5251


 105.4184, 0.2846,  
0.4688

 30.4708, 0.2600,  
0.5548


 134.5395, 0.2877,  
0.4565

 20.1962, 0.2470,  
0.5940


 168.5832, 0.2902,  
0.4461

 12.5378, 0.2275,  
0.6473

 207.9337, 0.2923,  
0.4372

 7.1110, 0.1964,  
0.7223

 252.9756, 0.2940,  
0.4296

 3.5316, 0.1445,  
0.8555

304.0931, 0.2955,

 1.4152, 0.0000,

0.4230

1.0000

361.6706, 0.2968,  
0.4171

■ 0.2279, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.4060, 0.2757,  
0.5021

■ 60.4060, 0.2757,  
0.5021

■ 59.8812, 0.2788,  
0.5220


■ 61.2395, 0.2744,  
0.4805


■ 59.7631, 0.2798,  
0.5273


■ 62.4277, 0.2751,  
0.4580


■ 64.0143, 0.2776,  
0.4353


■ 66.0348, 0.2817,  
0.4133

 68.5204, 0.2870,  
0.3924

 71.4995, 0.2933,  
0.3729

 74.9981, 0.3002,  
0.3552

 79.0403, 0.3075,  
0.3393

 83.6487, 0.3148,  
0.3252

# Harmonies

## Analogous

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



60.4060, 0.3719, 0.5243



60.4060, 0.2757, 0.5021



60.4060, 0.1947, 0.3950

# Triad

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



60.4060, 0.2757, 0.5021



60.4060, 0.1682, 0.1803



60.4060, 0.5071, 0.3302

# Complementary

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



60.4060, 0.2757, 0.5021



20.5327, 0.4422, 0.2289

# 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.



60.4060, 0.4321, 0.2653



60.4060, 0.2757, 0.5021



60.4060, 0.2277, 0.1836

# Square

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



60.4060, 0.2757, 0.5021



60.4060, 0.1429, 0.2089



60.4060, 0.3225, 0.2134



60.4060, 0.5127, 0.4012



# Rectangle

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



60.4060, 0.2757, 0.5021



60.4060, 0.1606, 0.3143



60.4060, 0.3225, 0.2134



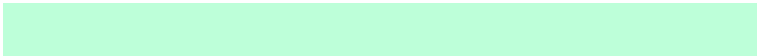
60.4060, 0.4890, 0.3077

# Sweetspot

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



60.4085, 0.2757, 0.5021



87.3081, 0.2940, 0.3710



65.3334, 0.3534, 0.5489



18.3980, 0.2917, 0.3775



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.



60.4085, 0.2757, 0.5021



72.6174, 0.2801, 0.5282



64.1348, 0.2329, 0.3516



16.9687, 0.3058, 0.3428



33.6063, 0.2790, 0.5244



2.6578, 0.2714, 0.4971



# Inverse Universe

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



20.5327, 0.4422, 0.2289



23.3451, 0.4684, 0.2354



18.6294, 0.6020, 0.3212



15.1989, 0.3203, 0.3156



10.8269, 0.4646, 0.2333

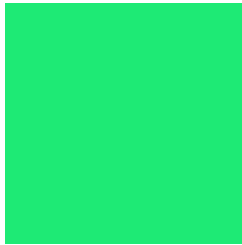


0.8694, 0.4392, 0.2193



# Previews

## White Background



This preview shows how the Yxy color 60.4060, 0.2757, 0.5021 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 60.4060, 0.2757, 0.5021 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

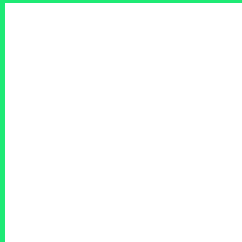
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.4060, 0.2757, 0.5021**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4060, 0.2757, 0.5021.



This preview shows how white text looks on a background with the Yxy color 60.4060, 0.2757, 0.5021.

# 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

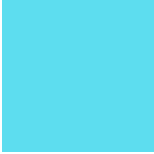
60.4060, 0.2757, 0.5021

### Protanopia

58.9696, 0.4003, 0.4359

### Deuteranopia

58.9053, 0.4085, 0.3997



## **Tritanopia**

60.2721, 0.2331, 0.3058

# Trichromacy



## Original Color

60.4060, 0.2757, 0.5021



## Protanomaly

55.9912, 0.3349, 0.4688



## Deuteranomaly

54.6488, 0.3387, 0.4422



## Tritanomaly

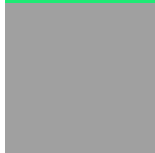
59.6349, 0.2469, 0.3721

# Monochromacy



## Original Color

60.4060, 0.2757, 0.5021



## Achromatopsia

35.1533, 0.3127, 0.3290



## Achromatomaly

41.0650, 0.2863, 0.3970

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4060, 0.2757, 0.5021 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(30, 234, 117)` looks like.

```
.text, #text, p{  
  color:rgb(30, 234, 117)  
}
```

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(30, 234, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 234, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4060, 0.2757, 0.5021 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(30, 234, 117) }
```

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

```
.border{ border-color:rgb(30, 234, 117) }
```

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

Here you see how a box with a 4 pixel rgb(30, 234, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 234, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 234, 117);  
box-shadow:4px 4px 4px 4px rgb(30, 234,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4060, 0.2757, 0.5021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 234, 117) }
```

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

```
.background{ background-color: rgb(30, 234,  
117) }
```

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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