

# Converting Colors

Yxy(67.0216, 0.2903, 0.5068)

Have a look what the booklet for  
Yxy(67.0216, 0.2903, 0.5068)  
contains.

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# Color

**Yxy(67.0216, 0.2903, 0.5068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50F372
RGB	80, 243, 114
RGB Percent	31%, 95%, 45%
CMY	0.6866, 0.0470, 0.5529
CMYK	0.67, 0.00, 0.53, 0.05
HSL	133°, 87%, 63%
HSV	133°, 67%, 95%
XYZ	38.3906, 67.0216, 26.8324
YIQ	179.5570, -55.7390, -74.6750

# Conversions

## Conversions Part 2

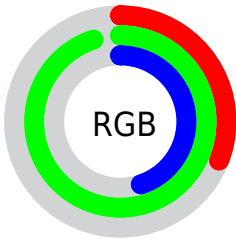
Format	Color
R <sub>YB</sub>	80, 215, 243
Decimal	5305202
CIE Lab	85.51, -67.96, 49.64
CIE LCh	86, 84.159, 143.858
Yxy	67.0216, 0.2903, 0.5068
Android (android.graphics.Color)	4283495282 (0xFF50F372)
YUV	179.5570, -32.3196, -87.3115
Hunter-Lab	81.8667, -59.5609, 37.8740

# Details

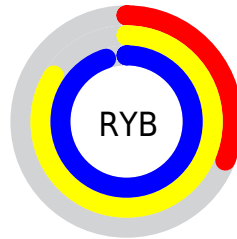
The Yxy color **67.0216, 0.2903, 0.5068** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **29.3810, 0.3566, 0.2041**, and the grayscale version is **45.5796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4581, 0.2958, 0.4353**, and **35.0348, 0.2867, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **65.7595, 0.2902, 0.5344**, and if you desaturate by 10%, it is **68.7633, 0.2917, 0.4771**.

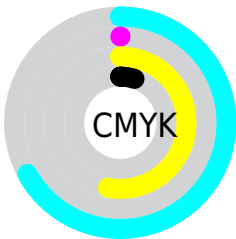
# Distribution



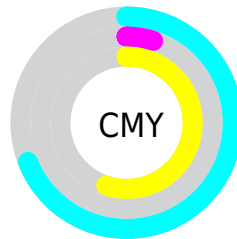
- Red (31%)
- Green (95%)
- Blue (45%)



- Red (31%)
- Yellow (84%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (53%)
- Black (5%)




- Cyan (69%)
- Magenta (5%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0216, 0.2903, 0.5068 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 67.0216, 0.2903, 0.5068 by changing the saturation by 10% instead.





 67.0216, 0.2903,  
0.5068

 67.0216, 0.2903,  
0.5068

450.0217, 0.3057,  
0.4162


 49.1022, 0.2852,  
0.5292


 114.9514, 0.2968,  
0.4739


 34.7005, 0.2781,  
0.5576


 145.7305, 0.2990,  
0.4615

 23.4323, 0.2676,  
0.5944


 181.5650, 0.3008,  
0.4510

 14.9130, 0.2514,  
0.6431

 222.8392, 0.3022,  
0.4421

 8.7584, 0.2252,  
0.7091

269.9376, 0.3033,  
0.4343

 4.5839, 0.1848,  
0.8152

323.2446, 0.3043,

 2.0053, 0.0000,

0.4275

1.0000

383.1444, 0.3051,  
0.4215

0.6105, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.0216, 0.2903,  
0.5068

67.0216, 0.2903,  
0.5068

65.7595, 0.2902,  
0.5344

68.7633, 0.2917,  
0.4771

64.9195, 0.2915,  
0.5580

71.0187, 0.2941,  
0.4469


64.4417, 0.2940,  
0.5764


73.8280, 0.2974,  
0.4177

64.3448, 0.2946,  
0.5807

77.2255, 0.3013,  
0.3904

 81.2421, 0.3055,  
0.3655

 85.9071, 0.3097,  
0.3432

 91.2476, 0.3139,  
0.3236

 92.5877, 0.3133,  
0.3175

# Harmonies

## Analogous

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



67.0216, 0.3849, 0.5163



67.0216, 0.2903, 0.5068



67.0216, 0.2067, 0.4112

# Triad

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



67.0216, 0.2903, 0.5068



67.0216, 0.1651, 0.1849



67.0216, 0.4962, 0.3211

# Complementary

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



67.0216, 0.2903, 0.5068



29.3810, 0.3566, 0.2041

# 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.



67.0216, 0.4149, 0.2582



67.0216, 0.2903, 0.5068



67.0216, 0.2188, 0.1838

# Square

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



67.0216, 0.2903, 0.5068



67.0216, 0.1447, 0.2185



67.0216, 0.3074, 0.2097



67.0216, 0.5123, 0.3904



# Rectangle

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



67.0216, 0.2903, 0.5068



67.0216, 0.1692, 0.3310



67.0216, 0.3074, 0.2097



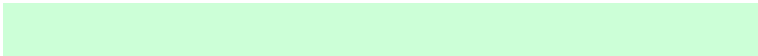
67.0216, 0.4752, 0.2991

# Sweetspot

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



67.0244, 0.2903, 0.5068



89.2462, 0.3042, 0.3725



78.4447, 0.3805, 0.4959



18.8293, 0.3030, 0.3795



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.



67.0244, 0.2903, 0.5068



72.9255, 0.2906, 0.5446



69.7081, 0.2548, 0.3939



18.5287, 0.3087, 0.3483



35.3269, 0.2940, 0.5785



3.1193, 0.2879, 0.5564



# Inverse Universe

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



29.3810, 0.3566, 0.2041



28.1557, 0.3683, 0.1914



26.3622, 0.4676, 0.2815



16.7055, 0.3170, 0.3105



12.5721, 0.3821, 0.1878

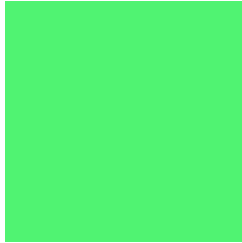


1.1195, 0.3729, 0.1828



# Previews

## White Background



This preview shows how the Yxy color 67.0216, 0.2903, 0.5068 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 67.0216, 0.2903, 0.5068 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

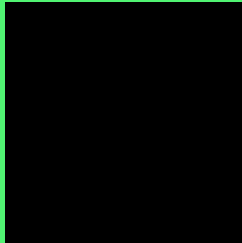
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0216, 0.2903, 0.5068**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0216, 0.2903, 0.5068.

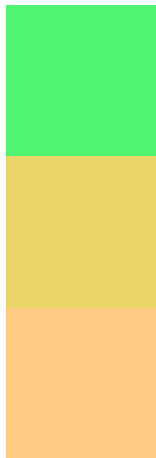


This preview shows how white text looks on a background with the Yxy color 67.0216, 0.2903, 0.5068.

# 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

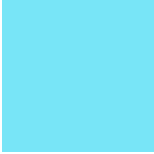
67.0216, 0.2903, 0.5068

### Protanopia

65.5789, 0.4048, 0.4427

### Deuteranopia

65.6378, 0.4086, 0.4018



## **Tritanopia**

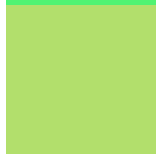
66.7471, 0.2417, 0.3070

# Trichromacy



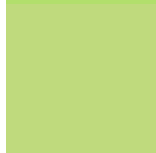
## Original Color

67.0216, 0.2903, 0.5068



## Protanomaly

63.3230, 0.3523, 0.4702



## Deuteranomaly

62.6998, 0.3544, 0.4421



## Tritanomaly

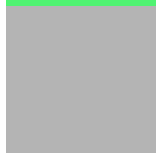
65.9724, 0.2590, 0.3751

# Monochromacy



## Original Color

67.0216, 0.2903, 0.5068



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

51.0415, 0.3009, 0.3952

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0216, 0.2903, 0.5068 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(80, 243, 114)` looks like.

```
.text, #text, p{  
    color:rgb(80, 243, 114)  
}
```

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(80, 243, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 243, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0216, 0.2903, 0.5068 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(80, 243, 114) }
```

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

```
.border{ border-color:rgb(80, 243, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 243, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 243, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 243, 114);  
box-shadow:4px 4px 4px 4px rgb(80, 243,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0216, 0.2903, 0.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 243, 114) }
```

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

```
.background{ background-color: rgb(80, 243,  
114) }
```

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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