

# Converting Colors

$Y_{xy}(57.3272, 0.2901, 0.5179)$

Have a look what the booklet for  
Yxy(57.3272, 0.2901, 0.5179)  
contains.

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# Color

**Yxy(57.5115, 0.2901, 0.5186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41E463
RGB	65, 228, 99
RGB Percent	25%, 89%, 39%
CMY	0.7455, 0.1058, 0.6117
CMYK	0.72, 0.00, 0.57, 0.11
HSL	133°, 75%, 57%
HSV	133°, 72%, 89%
XYZ	32.1714, 57.5115, 21.2147
YIQ	164.5570, -55.7390, -74.6750

# Conversions

## Conversions Part 2

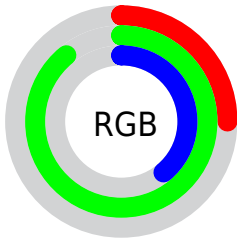
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 200, 228
Decimal	4318307
CIELab	80.47, -67.35, 50.38
CIELCh	80, 84.104, 143.204
Yxy	57.5115, 0.2901, 0.5186
Android (android.graphics.Color)	4282508387 (0xFF41E463)
YUV	164.5570, -32.3196, -87.3115
Hunter-Lab	75.8363, -56.9901, 36.4995

# Details

The Yxy color **57.5115, 0.2901, 0.5186** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **24.1548, 0.3601, 0.1995**, and the grayscale version is **37.5702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8882, 0.2970, 0.4563**, and **29.3231, 0.2905, 0.5658** is the 20% darker color. If you saturate the color by 10%, you get **56.5804, 0.2906, 0.5447**, and if you desaturate by 10%, it is **58.8380, 0.2909, 0.4897**.

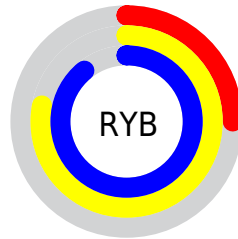
# Distribution



Red (25%)

Green (89%)

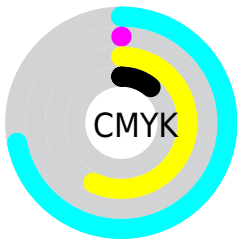
Blue (39%)



Red (25%)

Yellow (78%)

Blue (89%)

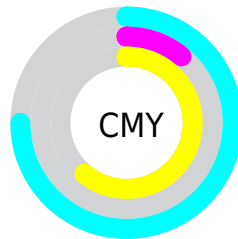


Cyan (72%)

Magenta (0%)

Yellow (57%)

Black (11%)



Cyan (75%)

Magenta (11%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5115, 0.2901, 0.5186 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 57.5115, 0.2901, 0.5186 by changing the saturation by 10% instead.





 57.5115, 0.2901,  
0.5186

 57.5115, 0.2901,  
0.5186


415.3632, 0.3066,  
0.4195


 41.4160, 0.2843,  
0.5439


 101.2111, 0.2974,  
0.4820

 28.6443, 0.2758,  
0.5762


 129.5841, 0.2997,  
0.4684

 18.8119, 0.2631,  
0.6184


 162.8184, 0.3016,  
0.4569

 11.5345, 0.2427,  
0.6748

 201.2984, 0.3030,  
0.4472

 6.4275, 0.2136,  
0.7684

245.4085, 0.3042,  
0.4388

 3.1067, 0.1409,  
0.8591

295.5330, 0.3052,

 1.1877, 0.0000,

0.4315

1.0000

352.0565, 0.3060,  
0.4251

■ 0.0516, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5115, 0.2901,  
0.5186

■ 57.5115, 0.2901,  
0.5186

■ 56.5804, 0.2906,  
0.5447

■ 58.8380, 0.2909,  
0.4897

■ 55.9920, 0.2924,  
0.5662


■ 60.5912, 0.2930,  
0.4596


■ 55.7030, 0.2945,  
0.5802


■ 62.8072, 0.2959,  
0.4300


■ 65.5165, 0.2996,  
0.4019

 68.7466, 0.3036,  
0.3760

 72.5231, 0.3078,  
0.3526

 76.8701, 0.3121,  
0.3319

 81.8100, 0.3162,  
0.3138

 83.9721, 0.3139,  
0.3029

# Harmonies

## Analogous

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



57.5115, 0.3883, 0.5242



57.5115, 0.2901, 0.5186



57.5115, 0.2030, 0.4184

# Triad

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



57.5115, 0.2901, 0.5186



57.5115, 0.1586, 0.1794



57.5115, 0.5042, 0.3180

# Complementary

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



57.5115, 0.2901, 0.5186



24.1548, 0.3601, 0.1995

# 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.



57.5115, 0.4175, 0.2537



57.5115, 0.2901, 0.5186



57.5115, 0.2129, 0.1780

# Square

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



57.5115, 0.2901, 0.5186



57.5115, 0.1383, 0.2144



57.5115, 0.3044, 0.2041



57.5115, 0.5214, 0.3893



# Rectangle

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



57.5115, 0.2901, 0.5186



57.5115, 0.1639, 0.3329



57.5115, 0.3044, 0.2041



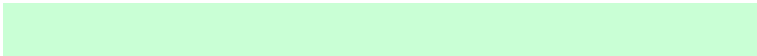
57.5115, 0.4817, 0.2956

# Sweetspot

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



57.5139, 0.2901, 0.5186



88.7864, 0.3038, 0.3750



67.5265, 0.3824, 0.5034



18.7399, 0.3026, 0.3819



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.



57.5139, 0.2901, 0.5186



72.4925, 0.2914, 0.5561



59.8704, 0.2535, 0.3987



16.1382, 0.3087, 0.3481



32.1759, 0.2939, 0.5781



2.3911, 0.2865, 0.5514



# Inverse Universe

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



24.1548, 0.3601, 0.1995



27.1132, 0.3725, 0.1892



21.4760, 0.4828, 0.2809



14.5609, 0.3170, 0.3106



11.4520, 0.3819, 0.1878

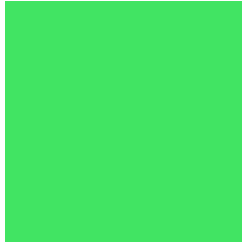


0.8593, 0.3713, 0.1819



# Previews

## White Background



This preview shows how the Yxy color 57.5115, 0.2901, 0.5186 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 57.5115, 0.2901, 0.5186 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 57.5115, 0.2901, 0.5186**

## Background



This preview shows how black text looks on a background with the Yxy color 57.5115, 0.2901, 0.5186.



This preview shows how white text looks on a background with the Yxy color 57.5115, 0.2901, 0.5186.

# 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

57.5115, 0.2901, 0.5186

### Protanopia

56.3420, 0.4101, 0.4481

### Deuteranopia

56.3982, 0.4218, 0.4128



## Tritanopia

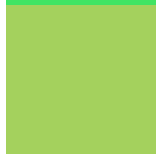
57.1075, 0.2397, 0.3055

# Trichromacy



## Original Color

57.5115, 0.2901, 0.5186



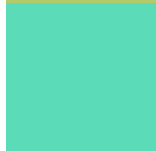
## Protanomaly

54.2838, 0.3545, 0.4800



## Deuteranomaly

53.2175, 0.3610, 0.4540



## Tritanomaly

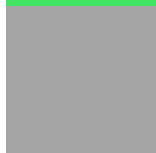
56.3990, 0.2577, 0.3785

# Monochromacy



## Original Color

57.5115, 0.2901, 0.5186



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

42.5567, 0.3000, 0.4010

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5115, 0.2901, 0.5186 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, 228, 99)` looks like.

```
.text, #text, p{  
    color:rgb(65, 228, 99)  
}
```

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, 228, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 228, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5115, 0.2901, 0.5186 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, 228, 99) }
```

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

```
.border{ border-color:rgb(65, 228, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 228, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 228, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 228, 99);  
box-shadow:4px 4px 4px 4px rgb(65, 228,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5115, 0.2901, 0.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 228, 99) }
```

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

```
.background{ background-color: rgb(65, 228,  
99) }
```

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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