

Converting Colors

$Yxy(57.0971, 0.2914, 0.5036)$

Have a look what the booklet for
Yxy(57.0971, 0.2914, 0.5036)
contains.

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Color

Yxy(57.0740, 0.2913, 0.5039)

Conversions

Conversions Part 1

Format	Color
Hex	4EE26B
RGB	78, 226, 107
RGB Percent	31%, 89%, 42%
CMY	0.6941, 0.1137, 0.5802
CMYK	0.65, 0.00, 0.53, 0.11
HSL	132°, 72%, 60%
HSV	132°, 65%, 89%
XYZ	32.9940, 57.0740, 23.1966
YIQ	168.1820, -50.0090, -68.3850

Conversions

Conversions Part 2

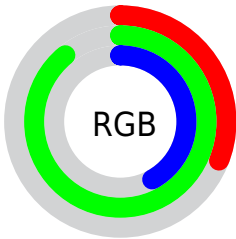
Format	Color
RYB	78, 202, 226
Decimal	5169771
CIELab	80.22, -63.35, 46.45
CIELCh	80, 78.551, 143.749
Yxy	57.0740, 0.2913, 0.5039
Android (android.graphics.Color)	4283359851 (0xFF4EE26B)
YUV	168.1820, -30.1627, -79.0896
Hunter-Lab	75.5473, -54.2511, 34.6783

Details

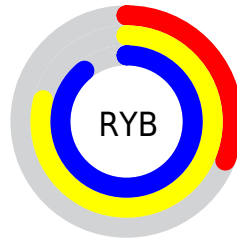
The Yxy color **57.0740, 0.2913, 0.5039** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.6492, 0.3526, 0.2048**, and the grayscale version is **39.4252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8440, 0.2972, 0.4448**, and **28.6518, 0.2867, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **55.9369, 0.2910, 0.5320**, and if you desaturate by 10%, it is **58.6240, 0.2928, 0.4738**.

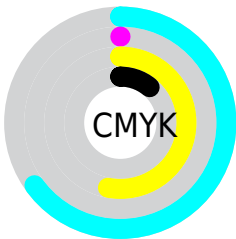
Distribution



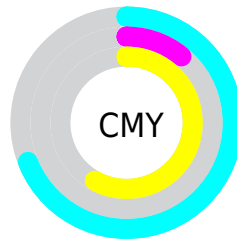
- Red (31%)
- Green (89%)
- Blue (42%)



- Red (31%)
- Yellow (79%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (53%)
- Black (11%)





- Cyan (69%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0740, 0.2913, 0.5039 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 57.0740, 0.2913, 0.5039 by changing the saturation by 10% instead.

 57.0740, 0.2913,
0.5039


 57.0740, 0.2913,
0.5039


413.7265, 0.3064,
0.4125


 41.0647, 0.2861,
0.5273


 100.5732, 0.2978,
0.4701


 28.3696, 0.2786,
0.5574


 128.8318, 0.3000,
0.4576

 18.6045, 0.2673,
0.5970


 161.9422, 0.3017,
0.4470

 11.3848, 0.2492,
0.6507

 200.2890, 0.3030,
0.4381

 6.3263, 0.2211,
0.7331

244.2564, 0.3041,
0.4303

 3.0445, 0.1603,
0.8397

294.2289, 0.3050,

 1.1550, 0.0000,

0.4236

1.0000

350.5908, 0.3058,
0.4177

■ 0.0245, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0740, 0.2913,
0.5039

■ 57.0740, 0.2913,
0.5039

■ 55.9369, 0.2910,
0.5320

■ 58.6240, 0.2928,
0.4738

■ 55.1653, 0.2920,
0.5564


■ 60.6148, 0.2954,
0.4434


■ 54.7126, 0.2941,
0.5755


■ 63.0798, 0.2987,
0.4141


■ 54.5783, 0.2951,
0.5823


■ 66.0472, 0.3025,
0.3868

 69.5430, 0.3065,
0.3621

 73.5915, 0.3105,
0.3400

 78.2153, 0.3145,
0.3205

 82.7061, 0.3157,
0.3034

 82.8740, 0.3140,
0.3009

Harmonies

Analogous

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



57.0740, 0.3847, 0.5136



57.0740, 0.2913, 0.5039



57.0740, 0.2086, 0.4103

Triad

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



57.0740, 0.2913, 0.5039



57.0740, 0.1667, 0.1867



57.0740, 0.4933, 0.3213

Complementary

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



57.0740, 0.2913, 0.5039



25.6492, 0.3526, 0.2048

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.



57.0740, 0.4131, 0.2590



57.0740, 0.2913, 0.5039



57.0740, 0.2198, 0.1855

Square

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



57.0740, 0.2913, 0.5039



57.0740, 0.1466, 0.2203



57.0740, 0.3072, 0.2110



57.0740, 0.5097, 0.3900

Rectangle

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



57.0740, 0.2913, 0.5039



57.0740, 0.1713, 0.3316



57.0740, 0.3072, 0.2110



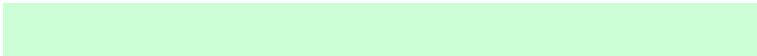
57.0740, 0.4725, 0.2995

Sweetspot

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



57.0764, 0.2913, 0.5039



89.2126, 0.3046, 0.3732



67.0685, 0.3814, 0.4911



18.8214, 0.3035, 0.3803



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.



57.0764, 0.2913, 0.5039



73.0833, 0.2912, 0.5424



59.2743, 0.2568, 0.3954



15.3810, 0.3089, 0.3484



31.1495, 0.2945, 0.5801



2.1717, 0.2868, 0.5523

Inverse Universe

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



25.6492, 0.3526, 0.2048



28.7880, 0.3635, 0.1907



23.0966, 0.4568, 0.2793



13.8871, 0.3168, 0.3104



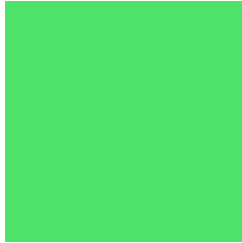
11.1604, 0.3775, 0.1853



0.7855, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 57.0740, 0.2913, 0.5039 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 57.0740, 0.2913, 0.5039 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 57.0740, 0.2913, 0.5039

Background



This preview shows how black text looks on a background with the Yxy color 57.0740, 0.2913, 0.5039.

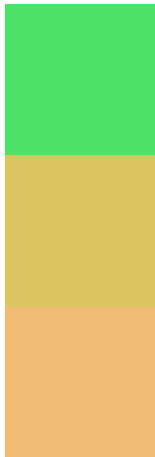


This preview shows how white text looks on a background with the Yxy color 57.0740, 0.2913, 0.5039.

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

57.0740, 0.2913, 0.5039

Protanopia

55.7198, 0.4041, 0.4407

Deuteranopia

55.7761, 0.4155, 0.4057



Tritanopia

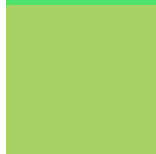
56.8791, 0.2429, 0.3068

Trichromacy



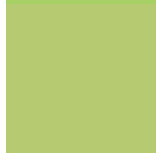
Original Color

57.0740, 0.2913, 0.5039



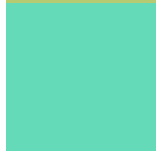
Protanomaly

54.2668, 0.3529, 0.4689



Deuteranomaly

53.2571, 0.3595, 0.4437



Tritanomaly

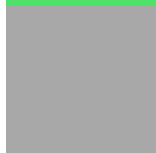
56.4123, 0.2607, 0.3753

Monochromacy



Original Color

57.0740, 0.2913, 0.5039



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.6214, 0.3011, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0740, 0.2913, 0.5039 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(78, 226, 107)` looks like.

```
.text, #text, p{  
    color:rgb(78, 226, 107)  
}
```

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(78, 226, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 226, 107) }
```

Border

The CSS property to change the border of an element to Yxy 57.0740, 0.2913, 0.5039 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(78, 226, 107) }
```

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

```
.border{ border-color:rgb(78, 226, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 226, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 226, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 226, 107);  
box-shadow:4px 4px 4px 4px rgb(78, 226,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0740, 0.2913, 0.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 226, 107) }
```

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

```
.background{ background-color: rgb(78, 226,  
107) }
```

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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