

Converting Colors

$Y_{xy}(57.1019, 0.2914, 0.5035)$

Have a look what the booklet for
Yxy(57.1019, 0.2914, 0.5035)
contains.

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Color

$\text{Yxy}(57.1165, 0.2917, 0.5038)$

Conversions

Conversions Part 1

Format	Color
Hex	4FE26B
RGB	79, 226, 107
RGB Percent	31%, 89%, 42%
CMY	0.6904, 0.1137, 0.5805
CMYK	0.65, 0.00, 0.53, 0.11
HSL	131°, 72%, 60%
HSV	131°, 65%, 89%
XYZ	33.0704, 57.1165, 23.1844
YIQ	168.4810, -49.4130, -68.1730

Conversions

Conversions Part 2

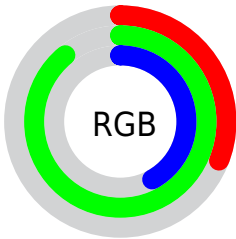
Format	Color
RYB	79, 202, 226
Decimal	5235307
CIELab	80.25, -63.18, 46.51
CIElCh	80, 78.452, 143.640
Yxy	57.1165, 0.2917, 0.5038
Android (android.graphics.Color)	4283425387 (0xFF4FE26B)
YUV	168.4810, -30.3101, -78.4748
Hunter-Lab	75.5755, -54.1487, 34.7143

Details

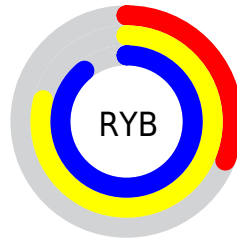
The Yxy color **57.1165, 0.2917, 0.5038** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.8315, 0.3513, 0.2046**, and the grayscale version is **39.5706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9328, 0.2977, 0.4446**, and **28.6518, 0.2867, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **55.9645, 0.2913, 0.5321**, and if you desaturate by 10%, it is **58.6839, 0.2933, 0.4735**.

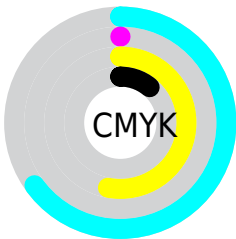
Distribution



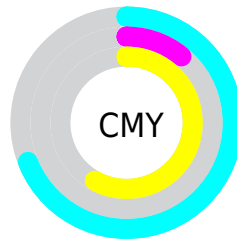
- Red (31%)
- Green (89%)
- Blue (42%)



- 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 57.1165, 0.2917, 0.5038 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 57.1165, 0.2917, 0.5038 by changing the saturation by 10% instead.

 57.1165, 0.2917,
0.5038


 57.1165, 0.2917,
0.5038


413.8857, 0.3066,
0.4125

 41.0988, 0.2865,
0.5272

 100.6352, 0.2982,
0.4700

 28.3963, 0.2791,
0.5572


 128.9049, 0.3003,
0.4575

 18.6246, 0.2679,
0.5968


 162.0274, 0.3020,
0.4470

 11.3993, 0.2499,
0.6503

 200.3871, 0.3033,
0.4380

 6.3361, 0.2219,
0.7326

244.3684, 0.3044,
0.4303

 3.0505, 0.1616,
0.8384

294.3557, 0.3052,

 1.1582, 0.0000,

0.4236

1.0000

350.7333, 0.3060,
0.4177

■ 0.0271, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1165, 0.2917,
0.5038

■ 57.1165, 0.2917,
0.5038

■ 55.9645, 0.2913,
0.5321

■ 58.6839, 0.2933,
0.4735

■ 55.1806, 0.2922,
0.5566


■ 60.6944, 0.2958,
0.4430

■ 54.7186, 0.2942,
0.5758


■ 63.1815, 0.2991,
0.4135


■ 54.5726, 0.2953,
0.5832

■ 66.1734, 0.3028,
0.3862

 69.6961, 0.3067,
0.3613

 73.7738, 0.3107,
0.3392

 78.4292, 0.3146,
0.3197

 82.7703, 0.3151,
0.3025

 82.8776, 0.3140,
0.3009

Harmonies

Analogous

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



57.1165, 0.3850, 0.5132



57.1165, 0.2917, 0.5038



57.1165, 0.2090, 0.4106

Triad

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



57.1165, 0.2917, 0.5038



57.1165, 0.1667, 0.1869



57.1165, 0.4928, 0.3211

Complementary

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



57.1165, 0.2917, 0.5038



25.8315, 0.3513, 0.2046

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.



57.1165, 0.4125, 0.2589



57.1165, 0.2917, 0.5038



57.1165, 0.2196, 0.1856

Square

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



57.1165, 0.2917, 0.5038



57.1165, 0.1468, 0.2207



57.1165, 0.3068, 0.2110



57.1165, 0.5095, 0.3897

Rectangle

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



57.1165, 0.2917, 0.5038



57.1165, 0.1716, 0.3320



57.1165, 0.3068, 0.2110



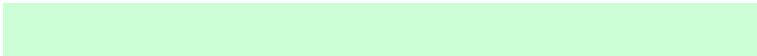
57.1165, 0.4720, 0.2994

Sweetspot

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



57.1189, 0.2917, 0.5038



89.1981, 0.3047, 0.3736



67.1102, 0.3812, 0.4903



18.8180, 0.3036, 0.3807



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.



57.1189, 0.2917, 0.5038



73.1719, 0.2915, 0.5411



59.3303, 0.2569, 0.3949



15.3797, 0.3090, 0.3485



31.1439, 0.2947, 0.5811



2.1711, 0.2871, 0.5536

Inverse Universe

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



25.8315, 0.3513, 0.2046



29.1126, 0.3614, 0.1906



23.2490, 0.4554, 0.2794



13.8885, 0.3167, 0.3102



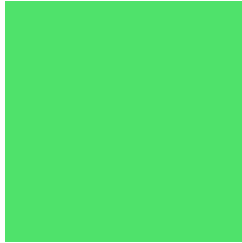
11.1898, 0.3757, 0.1843



0.7873, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 57.1165, 0.2917, 0.5038 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 57.1165, 0.2917, 0.5038 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

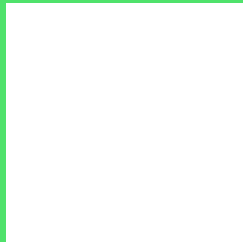
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.1165, 0.2917, 0.5038

Background



This preview shows how black text looks on a background with the Yxy color 57.1165, 0.2917, 0.5038.

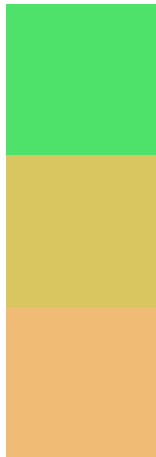


This preview shows how white text looks on a background with the Yxy color 57.1165, 0.2917, 0.5038.

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

57.1165, 0.2917, 0.5038

Protanopia

56.1567, 0.4041, 0.4426

Deuteranopia

55.7761, 0.4155, 0.4057



Tritanopia

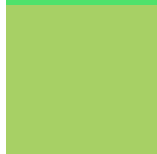
56.8791, 0.2429, 0.3068

Trichromacy



Original Color

57.1165, 0.2917, 0.5038



Protanomaly

54.2668, 0.3529, 0.4689



Deuteranomaly

53.2571, 0.3595, 0.4437



Tritanomaly

56.4123, 0.2607, 0.3753

Monochromacy



Original Color

57.1165, 0.2917, 0.5038



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

43.7048, 0.3019, 0.3934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.1165, 0.2917, 0.5038 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(79, 226, 107)` looks like.

```
.text, #text, p{  
    color:rgb(79, 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(79, 226, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 226, 107) }
```

Border

The CSS property to change the border of an element to Yxy 57.1165, 0.2917, 0.5038 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(79, 226, 107) }
```

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

```
.border{ border-color:rgb(79, 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(79, 226, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 226, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 226, 107);  
box-shadow:4px 4px 4px 4px rgb(79, 226,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 57.1165, 0.2917, 0.5038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 226, 107) }
```

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

```
.background{ background-color: rgb(79, 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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