

Converting Colors

Yxy(57.3733, 0.2862, 0.5002)

Have a look what the booklet for
Yxy(57.3733, 0.2862, 0.5002)
contains.

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Color

Yxy(57.3511, 0.2863, 0.5008)

Conversions

Conversions Part 1

Format	Color
Hex	45E36F
RGB	69, 227, 111
RGB Percent	27%, 89%, 44%
CMY	0.7298, 0.1098, 0.5647
CMYK	0.70, 0.00, 0.51, 0.11
HSL	136°, 74%, 58%
HSV	136°, 70%, 89%
XYZ	32.7868, 57.3511, 24.3811
YIQ	166.5340, -56.9320, -69.5720

Conversions

Conversions Part 2

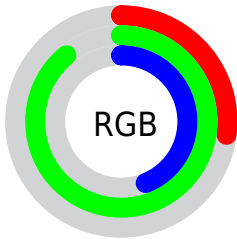
Format	Color
RYB	69, 194, 227
Decimal	4580207
CIELab	80.38, -64.75, 44.72
CIELCh	80, 78.694, 145.372
Yxy	57.3511, 0.2863, 0.5008
Android (android.graphics.Color)	4282770287 (0xFF45E36F)
YUV	166.5340, -27.3783, -85.5373
Hunter-Lab	75.7305, -55.2486, 33.9232

Details

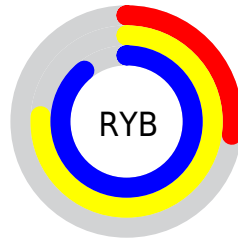
The Yxy color **57.3511, 0.2863, 0.5008** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle muted spring green. A complement of this color would be **24.0740, 0.3704, 0.2096**, and the grayscale version is **38.5479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4709, 0.2923, 0.4407**, and **29.0652, 0.2852, 0.5466** is the 20% darker color. If you saturate the color by 10%, you get **56.3441, 0.2866, 0.5270**, and if you desaturate by 10%, it is **58.7483, 0.2875, 0.4729**.

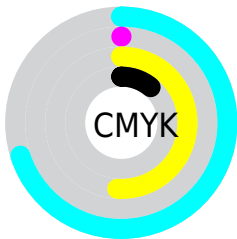
Distribution



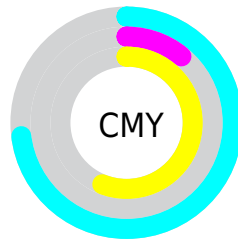
- Red (27%)
- Green (89%)
- Blue (44%)



- Red (27%)
- Yellow (76%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)





- Cyan (73%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3511, 0.2863, 0.5008 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 57.3511, 0.2863, 0.5008 by changing the saturation by 10% instead.

 57.3511, 0.2863,
0.5008

 57.3511, 0.2863,
0.5008

414.7636, 0.3036,
0.4110

 41.2872, 0.2807,
0.5239

 100.9773, 0.2935,
0.4675


 28.5436, 0.2728,
0.5536


 129.3084, 0.2960,
0.4552

 18.7358, 0.2610,
0.5930


 162.4973, 0.2979,
0.4448

 11.4795, 0.2426,
0.6466

 200.9285, 0.2995,
0.4360

 6.3904, 0.2132,
0.7260

244.9864, 0.3008,
0.4285

 3.0839, 0.1545,
0.8455

295.0552, 0.3019,

 1.1757, 0.0000,

0.4219

1.0000

351.5195, 0.3028,
0.4161

■ 0.0417, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.3511, 0.2863,
0.5008

■ 57.3511, 0.2863,
0.5008

■ 56.3441, 0.2866,
0.5270

■ 58.7483, 0.2875,
0.4729

■ 55.6781, 0.2884,
0.5500

■ 60.5648, 0.2901,
0.4447

■ 55.2869, 0.2914,
0.5687


■ 62.8344, 0.2937,
0.4174

■ 55.2756, 0.2915,
0.5693


■ 65.5859, 0.2981,
0.3917

 68.8455, 0.3028,
0.3682

 72.6373, 0.3079,
0.3471

 76.9841, 0.3129,
0.3284

 81.9074, 0.3178,
0.3120

 83.4245, 0.3140,
0.3019

Harmonies

Analogous

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



57.3511, 0.3798, 0.5152



57.3511, 0.2863, 0.5008



57.3511, 0.2049, 0.4039

Triad

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



57.3511, 0.2863, 0.5008



57.3511, 0.1687, 0.1859



57.3511, 0.4960, 0.3249

Complementary

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



57.3511, 0.2863, 0.5008



24.0740, 0.3704, 0.2096

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.



57.3511, 0.4185, 0.2621



57.3511, 0.2863, 0.5008



57.3511, 0.2236, 0.1862

Square

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



57.3511, 0.2863, 0.5008



57.3511, 0.1469, 0.2175



57.3511, 0.3127, 0.2131



57.3511, 0.5087, 0.3938

Rectangle

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



57.3511, 0.2863, 0.5008



57.3511, 0.1690, 0.3256



57.3511, 0.3127, 0.2131



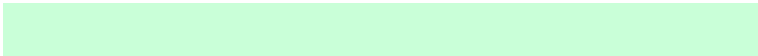
57.3511, 0.4764, 0.3030

Sweetspot

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



57.3535, 0.2863, 0.5008



88.9430, 0.3021, 0.3715



65.9984, 0.3755, 0.5041



18.7765, 0.3008, 0.3779



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.



57.3535, 0.2863, 0.5008



72.8663, 0.2873, 0.5387



59.8142, 0.2504, 0.3846



16.1519, 0.3080, 0.3467



32.2498, 0.2908, 0.5668



2.3982, 0.2828, 0.5382

Inverse Universe

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



24.0740, 0.3704, 0.2096



26.9070, 0.3869, 0.1994



21.6672, 0.4887, 0.2898



14.5462, 0.3178, 0.3119



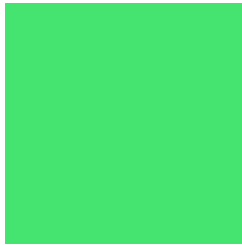
11.1618, 0.4019, 0.1988



0.8400, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 57.3511, 0.2863, 0.5008 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 57.3511, 0.2863, 0.5008 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

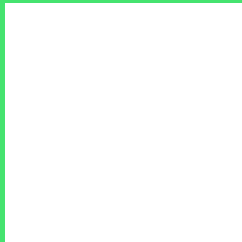
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.3511, 0.2863, 0.5008

Background



This preview shows how black text looks on a background with the Yxy color 57.3511, 0.2863, 0.5008.

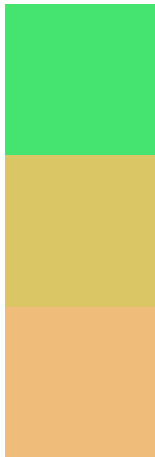


This preview shows how white text looks on a background with the Yxy color 57.3511, 0.2863, 0.5008.

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

57.3511, 0.2863, 0.5008

Protanopia

56.2332, 0.4016, 0.4388

Deuteranopia

56.1264, 0.4110, 0.4030



Tritanopia

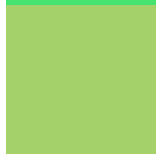
57.0508, 0.2401, 0.3068

Trichromacy



Original Color

57.3511, 0.2863, 0.5008



Protanomaly

54.5134, 0.3478, 0.4663



Deuteranomaly

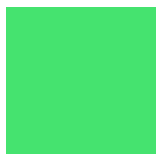
53.3433, 0.3531, 0.4412



Tritanomaly

56.6306, 0.2570, 0.3739

Monochromacy



Original Color

57.3511, 0.2863, 0.5008



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

43.3271, 0.2974, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.3511, 0.2863, 0.5008 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(69, 227, 111)` looks like.

```
.text, #text, p{  
  color:rgb(69, 227, 111)  
}
```

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(69, 227, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 227, 111) }
```

Border

The CSS property to change the border of an element to Yxy 57.3511, 0.2863, 0.5008 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(69, 227, 111) }
```

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

```
.border{ border-color:rgb(69, 227, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 227, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 227, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 227, 111);  
box-shadow:4px 4px 4px 4px rgb(69, 227,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 57.3511, 0.2863, 0.5008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 227, 111) }
```

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

```
.background{ background-color: rgb(69, 227,  
111) }
```

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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