

Converting Colors

Yxy(61.7946, 0.2958, 0.5121)

Have a look what the booklet for
Yxy(61.7946, 0.2958, 0.5121)
contains.

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Color

Yxy(61.7764, 0.2958, 0.5123)

Conversions

Conversions Part 1

Format	Color
Hex	55EA68
RGB	85, 234, 104
RGB Percent	33%, 92%, 41%
CMY	0.6666, 0.0823, 0.5921
CMYK	0.64, 0.00, 0.56, 0.08
HSL	128°, 78%, 63%
HSV	128°, 64%, 92%
XYZ	35.6694, 61.7764, 23.1405
YIQ	174.6290, -47.0740, -72.0180

Conversions

Conversions Part 2

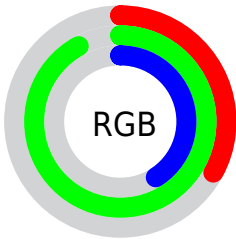
Format	Color
RYB	85, 217, 234
Decimal	5630568
CIELab	82.79, -65.18, 50.98
CIELCh	83, 82.754, 141.971
Yxy	61.7764, 0.2958, 0.5123
Android (android.graphics.Color)	4283820648 (0xFF55EA68)
YUV	174.6290, -34.8201, -78.6046
Hunter-Lab	78.5980, -56.5393, 37.5626

Details

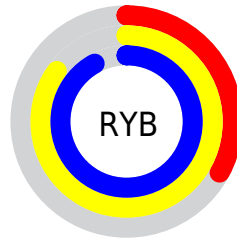
The Yxy color **61.7764, 0.2958, 0.5123** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **28.9015, 0.3396, 0.1985**, and the grayscale version is **42.8742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3782, 0.3023, 0.4473**, and **31.6833, 0.2894, 0.5619** is the 20% darker color. If you saturate the color by 10%, you get **60.4926, 0.2952, 0.5415**, and if you desaturate by 10%, it is **63.5278, 0.2973, 0.4804**.

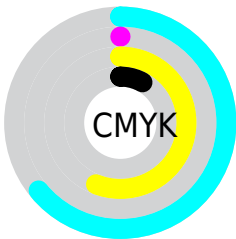
Distribution



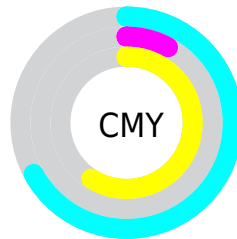
- Red (33%)
- Green (92%)
- Blue (41%)



- Red (33%)
- Yellow (85%)
- Blue (92%)



- Cyan (64%)
- Magenta (0%)
- Yellow (56%)
- Black (8%)




- Cyan (67%)
- Magenta (8%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.7764, 0.2958, 0.5123 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 61.7764, 0.2958, 0.5123 by changing the saturation by 10% instead.


 61.7764, 0.2958,
0.5123

 61.7764, 0.2958,
0.5123


431.1150, 0.3092,
0.4179

 44.8520, 0.2909,
0.5359


 107.4023, 0.3018,
0.4778


 31.3409, 0.2838,
0.5659


 136.8726, 0.3037,
0.4648

 20.8586, 0.2730,
0.6049


 171.2938, 0.3052,
0.4539

 13.0207, 0.2557,
0.6565

 211.0501, 0.3064,
0.4446

 7.4428, 0.2289,
0.7328

256.5260, 0.3073,
0.4365

 3.7405, 0.1775,
0.8225

308.1058, 0.3081,

 1.5295, 0.0000,

0.4295

1.0000

366.1740, 0.3087,
0.4233

■ 0.3094, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.7764, 0.2958,
0.5123

■ 61.7764, 0.2958,
0.5123

■ 60.4926, 0.2952,
0.5415

■ 63.5278, 0.2973,
0.4804

■ 59.6240, 0.2955,
0.5660

■ 65.7779, 0.2996,
0.4478


■ 59.1196, 0.2968,
0.5839


■ 68.5641, 0.3024,
0.4163


■ 58.9397, 0.2977,
0.5916

■ 71.9178, 0.3054,
0.3870

 75.8683, 0.3085,
0.3604

 80.4428, 0.3116,
0.3369

 85.6666, 0.3146,
0.3163

 87.3269, 0.3137,
0.3088

Harmonies

Analogous

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



61.7764, 0.3910, 0.5159



61.7764, 0.2958, 0.5123



61.7764, 0.2101, 0.4197

Triad

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



61.7764, 0.2958, 0.5123



61.7764, 0.1617, 0.1848



61.7764, 0.4946, 0.3166

Complementary

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



61.7764, 0.2958, 0.5123



28.9015, 0.3396, 0.1985

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.



61.7764, 0.4093, 0.2540



61.7764, 0.2958, 0.5123



61.7764, 0.2135, 0.1819

Square

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



61.7764, 0.2958, 0.5123



61.7764, 0.1432, 0.2209



61.7764, 0.3007, 0.2064



61.7764, 0.5151, 0.3860

Rectangle

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



61.7764, 0.2958, 0.5123



61.7764, 0.1707, 0.3382



61.7764, 0.3007, 0.2064



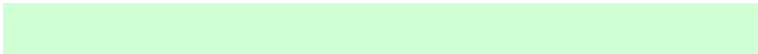
61.7764, 0.4721, 0.2947

Sweetspot

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



61.7790, 0.2958, 0.5123



89.5106, 0.3068, 0.3745



74.1970, 0.3879, 0.4832



18.8722, 0.3059, 0.3823



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.



61.7790, 0.2958, 0.5123



73.1885, 0.2952, 0.5487



63.9496, 0.2622, 0.4079



16.8934, 0.3098, 0.3502



33.1302, 0.2972, 0.5900



2.6116, 0.2918, 0.5706

Inverse Universe

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



28.9015, 0.3396, 0.1985



30.3497, 0.3458, 0.1833



25.9509, 0.4362, 0.2690



15.2788, 0.3157, 0.3087



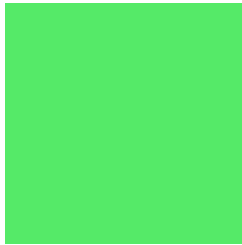
12.2980, 0.3559, 0.1734



0.9749, 0.3503, 0.1704

Previews

White Background



This preview shows how the Yxy color 61.7764, 0.2958, 0.5123 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 61.7764, 0.2958, 0.5123 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 61.7764, 0.2958, 0.5123

Background



This preview shows how black text looks on a background with the Yxy color 61.7764, 0.2958, 0.5123.

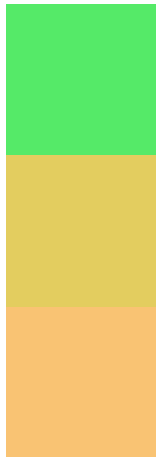


This preview shows how white text looks on a background with the Yxy color 61.7764, 0.2958, 0.5123.

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

61.7764, 0.2958, 0.5123

Protanopia

60.8198, 0.4085, 0.4471

Deuteranopia

60.4078, 0.4204, 0.4117



Tritanopia

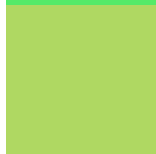
61.4244, 0.2439, 0.3064

Trichromacy



Original Color

61.7764, 0.2958, 0.5123



Protanomaly

59.1075, 0.3579, 0.4760



Deuteranomaly

57.5674, 0.3647, 0.4500



Tritanomaly

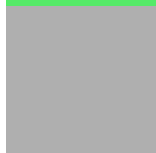
60.7127, 0.2633, 0.3779

Monochromacy



Original Color

61.7764, 0.2958, 0.5123



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

47.4006, 0.3042, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7764, 0.2958, 0.5123 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(85, 234, 104)` looks like.

```
.text, #text, p{  
    color:rgb(85, 234, 104)  
}
```

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(85, 234, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 234, 104) }
```

Border

The CSS property to change the border of an element to Yxy 61.7764, 0.2958, 0.5123 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(85, 234, 104) }
```

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

```
.border{ border-color:rgb(85, 234, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 234, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 234, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 234, 104);  
box-shadow:4px 4px 4px 4px rgb(85, 234,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7764, 0.2958, 0.5123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 234, 104) }
```

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

```
.background{ background-color: rgb(85, 234,  
104) }
```

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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