

Converting Colors

Yxy(58.5078, 0.2880, 0.4732)

Have a look what the booklet for
Yxy(58.5078, 0.2880, 0.4732)
contains.

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Color

Yxy(58.7458, 0.2880, 0.4738)

Conversions

Conversions Part 1

Format	Color
Hex	5CE37F
RGB	92, 227, 127
RGB Percent	36%, 89%, 50%
CMY	0.6394, 0.1098, 0.5020
CMYK	0.59, 0.00, 0.44, 0.11
HSL	136°, 71%, 63%
HSV	136°, 59%, 89%
XYZ	35.7087, 58.7458, 29.5341
YIQ	175.2350, -48.3600, -59.7200

Conversions

Conversions Part 2

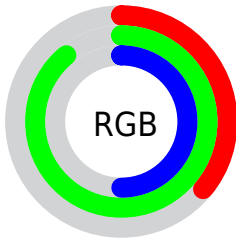
Format	Color
RYB	92, 199, 227
Decimal	6087551
CIELab	81.15, -57.97, 38.04
CIElCh	81, 69.337, 146.729
Yxy	58.7458, 0.2880, 0.4738
Android (android.graphics.Color)	4284277631 (0xFF5CE37F)
YUV	175.2350, -23.7799, -72.9971
Hunter-Lab	76.6458, -50.9683, 30.8057

Details

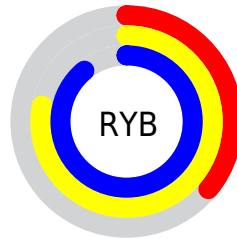
The Yxy color **58.7458, 0.2880, 0.4738** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **27.7802, 0.3583, 0.2211**, and the grayscale version is **43.1351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6285, 0.2930, 0.4179**, and **29.2713, 0.2770, 0.5171** is the 20% darker color. If you saturate the color by 10%, you get **57.3476, 0.2868, 0.5019**, and if you desaturate by 10%, it is **60.5720, 0.2905, 0.4454**.

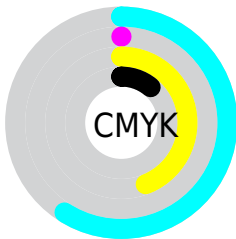
Distribution



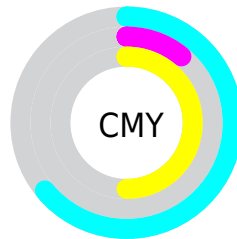
- Red (36%)
- Green (89%)
- Blue (50%)



- Red (36%)
- Yellow (78%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)



- Cyan (64%)
- Magenta (11%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7458, 0.2880, 0.4738 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 58.7458, 0.2880, 0.4738 by changing the saturation by 10% instead.


 58.7458, 0.2880,
0.4738


 58.7458, 0.2880,
0.4738


419.9592, 0.3031,
0.3988

 42.4085, 0.2834,
0.4930


 103.0081, 0.2941,
0.4461


 29.4213, 0.2770,
0.5178


 131.7020, 0.2962,
0.4359

 19.3998, 0.2677,
0.5507


 165.2834, 0.2979,
0.4272

 11.9595, 0.2534,
0.5963

 204.1369, 0.2993,
0.4199

 6.7161, 0.2297,
0.6618

248.6469, 0.3005,
0.4135

 3.2852, 0.1979,
0.8021

299.1977, 0.3015,

 1.2824, 0.0000,

0.4080

1.0000

356.1736, 0.3024,
0.4031

■ 0.1275, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7458, 0.2880,
0.4738

■ 58.7458, 0.2880,
0.4738

■ 57.3476, 0.2868,
0.5019

■ 60.5720, 0.2905,
0.4454

■ 56.3342, 0.2871,
0.5282


■ 62.8508, 0.2941,
0.4178


■ 55.6657, 0.2888,
0.5512


■ 65.6131, 0.2984,
0.3919

■ 55.2748, 0.2917,
0.5699


■ 68.8853, 0.3031,
0.3682

 55.2587, 0.2919,
0.5707

 72.6916, 0.3080,
0.3470

 77.0549, 0.3130,
0.3281

 81.9965, 0.3178,
0.3116

 83.4237, 0.3140,
0.3019

Harmonies

Analogous

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



58.7458, 0.3719, 0.4935



58.7458, 0.2880, 0.4738



58.7458, 0.2154, 0.3897

Triad

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



58.7458, 0.2880, 0.4738



58.7458, 0.1849, 0.2001



58.7458, 0.4753, 0.3306

Complementary

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



58.7458, 0.2880, 0.4738



27.7802, 0.3583, 0.2211

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.



58.7458, 0.4096, 0.2723



58.7458, 0.2880, 0.4738



58.7458, 0.2369, 0.2009

Square

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



58.7458, 0.2880, 0.4738



58.7458, 0.1634, 0.2288



58.7458, 0.3177, 0.2265



58.7458, 0.4861, 0.3940

Rectangle

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



58.7458, 0.2880, 0.4738



58.7458, 0.1831, 0.3234



58.7458, 0.3177, 0.2265



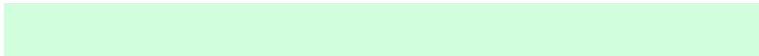
58.7458, 0.4587, 0.3103

Sweetspot

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



58.7482, 0.2880, 0.4738



90.3111, 0.3038, 0.3651



67.0848, 0.3705, 0.4830



19.0422, 0.3024, 0.3717



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.



58.7482, 0.2880, 0.4738



74.3529, 0.2867, 0.5072



61.0771, 0.2551, 0.3752



16.1503, 0.3080, 0.3469



32.2400, 0.2912, 0.5683



2.3973, 0.2833, 0.5399

Inverse Universe

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



27.7802, 0.3583, 0.2211



30.7054, 0.3709, 0.2068



25.4754, 0.4500, 0.2921



14.5480, 0.3177, 0.3118



11.1948, 0.3995, 0.1974



0.8422, 0.3855, 0.1897

Previews

White Background



This preview shows how the Yxy color 58.7458, 0.2880, 0.4738 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 58.7458, 0.2880, 0.4738 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 58.7458, 0.2880, 0.4738

Background



This preview shows how black text looks on a background with the Yxy color 58.7458, 0.2880, 0.4738.

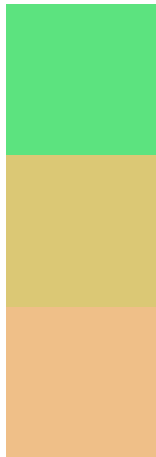


This preview shows how white text looks on a background with the Yxy color 58.7458, 0.2880, 0.4738.

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

58.7458, 0.2880, 0.4738

Protanopia

57.6530, 0.3906, 0.4243

Deuteranopia

57.3899, 0.3982, 0.3895



Tritanopia

58.4920, 0.2455, 0.3072

Trichromacy



Original Color

58.7458, 0.2880, 0.4738



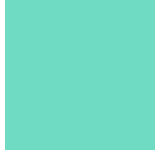
Protanomaly

56.3579, 0.3450, 0.4446



Deuteranomaly

55.3183, 0.3495, 0.4196



Tritanomaly

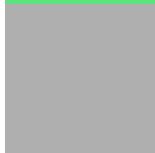
57.8731, 0.2604, 0.3631

Monochromacy



Original Color

58.7458, 0.2880, 0.4738



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

47.0719, 0.3003, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7458, 0.2880, 0.4738 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(92, 227, 127)` looks like.

```
.text, #text, p{  
    color:rgb(92, 227, 127)  
}
```

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(92, 227, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 227, 127) }
```

Border

The CSS property to change the border of an element to Yxy 58.7458, 0.2880, 0.4738 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(92, 227, 127) }
```

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

```
.border{ border-color:rgb(92, 227, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 227, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(92, 227, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(92, 227, 127); box-shadow:4px 4px 4px 4px rgb(92, 227, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7458, 0.2880, 0.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 227, 127) }
```

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

```
.background{ background-color: rgb(92, 227,  
127) }
```

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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