

Converting Colors

Yxy(57.2229, 0.2894, 0.4948)

Have a look what the booklet for
Yxy(57.2229, 0.2894, 0.4948)
contains.

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Color

Yxy(57.2904, 0.2894, 0.4952)

Conversions

Conversions Part 1

Format	Color
Hex	50E271
RGB	80, 226, 113
RGB Percent	31%, 89%, 44%
CMY	0.6866, 0.1137, 0.5568
CMYK	0.65, 0.00, 0.50, 0.11
HSL	134°, 72%, 60%
HSV	134°, 65%, 89%
XYZ	33.4811, 57.2904, 24.9199
YIQ	169.4640, -50.7430, -66.0950

Conversions

Conversions Part 2

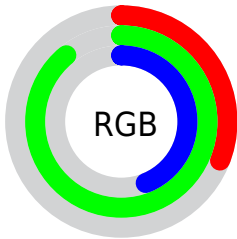
Format	Color
RYB	80, 199, 226
Decimal	5300849
CIELab	80.34, -62.15, 43.77
CIELCh	80, 76.016, 144.843
Yxy	57.2904, 0.2894, 0.4952
Android (android.graphics.Color)	4283490929 (0xFF50E271)
YUV	169.4640, -27.8368, -78.4599
Hunter-Lab	75.6904, -53.5001, 33.4630

Details

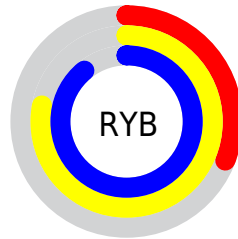
The Yxy color **57.2904, 0.2894, 0.4952** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.7436, 0.3575, 0.2099**, and the grayscale version is **40.0696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2393, 0.2953, 0.4369**, and **28.7237, 0.2836, 0.5410** is the 20% darker color. If you saturate the color by 10%, you get **56.1133, 0.2890, 0.5232**, and if you desaturate by 10%, it is **58.8787, 0.2911, 0.4658**.

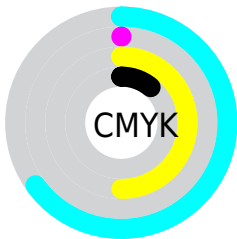
Distribution



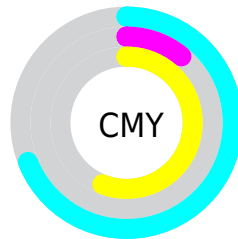
- Red (31%)
- Green (89%)
- Blue (44%)



- Red (31%)
- Yellow (78%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)




- Cyan (69%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2904, 0.2894, 0.4952 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 57.2904, 0.2894, 0.4952 by changing the saturation by 10% instead.


 57.2904, 0.2894,
0.4952


 57.2904, 0.2894,
0.4952


414.5366, 0.3049,
0.4085

 41.2384, 0.2843,
0.5175


 100.8888, 0.2960,
0.4631


 28.5054, 0.2770,
0.5461


 129.2040, 0.2981,
0.4512

 18.7070, 0.2662,
0.5842


 162.3758, 0.2999,
0.4412

 11.4588, 0.2491,
0.6361


 200.7885, 0.3013,
0.4327

 6.3763, 0.2212,
0.7121

244.8265, 0.3024,
0.4254

 3.0752, 0.1685,
0.8315

294.8743, 0.3034,

 1.1711, 0.0000,

0.4190

1.0000

351.3162, 0.3042,
0.4134

■ 0.0379, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2904, 0.2894,
0.4952

■ 57.2904, 0.2894,
0.4952

■ 56.1133, 0.2890,
0.5232

■ 58.8787, 0.2911,
0.4658

■ 55.3012, 0.2900,
0.5480


■ 60.9050, 0.2940,
0.4365

■ 54.8092, 0.2922,
0.5683


■ 63.4020, 0.2976,
0.4085

■ 54.6386, 0.2936,
0.5771


■ 66.3973, 0.3018,
0.3825

 69.9163, 0.3062,
0.3589

 73.9827, 0.3107,
0.3379

 78.6187, 0.3151,
0.3194

 82.7414, 0.3154,
0.3029

 82.8779, 0.3140,
0.3009

Harmonies

Analogous

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



57.2904, 0.3804, 0.5088



57.2904, 0.2894, 0.4952



57.2904, 0.2096, 0.4033

Triad

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



57.2904, 0.2894, 0.4952



57.2904, 0.1718, 0.1900



57.2904, 0.4892, 0.3246

Complementary

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



57.2904, 0.2894, 0.4952



25.7436, 0.3575, 0.2099

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.



57.2904, 0.4134, 0.2632



57.2904, 0.2894, 0.4952



57.2904, 0.2251, 0.1896

Square

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



57.2904, 0.2894, 0.4952



57.2904, 0.1510, 0.2219



57.2904, 0.3112, 0.2155



57.2904, 0.5033, 0.3920

Rectangle

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



57.2904, 0.2894, 0.4952



57.2904, 0.1738, 0.3280



57.2904, 0.3112, 0.2155



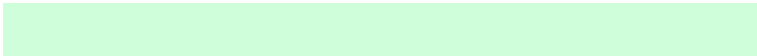
57.2904, 0.4698, 0.3032

Sweetspot

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



57.2928, 0.2894, 0.4952



89.7578, 0.3042, 0.3691



66.4928, 0.3771, 0.4918



18.9308, 0.3029, 0.3760



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.



57.2928, 0.2894, 0.4952



73.3062, 0.2892, 0.5333



59.5869, 0.2548, 0.3871



15.3879, 0.3085, 0.3476



31.1833, 0.2930, 0.5748



2.1750, 0.2849, 0.5456

Inverse Universe

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



25.7436, 0.3575, 0.2099



28.7486, 0.3701, 0.1960



23.2851, 0.4615, 0.2851



13.8797, 0.3172, 0.3110



11.0046, 0.3878, 0.1910



0.7760, 0.3754, 0.1841

Previews

White Background



This preview shows how the Yxy color 57.2904, 0.2894, 0.4952 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 57.2904, 0.2894, 0.4952 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 57.2904, 0.2894, 0.4952

Background



This preview shows how black text looks on a background with the Yxy color 57.2904, 0.2894, 0.4952.



This preview shows how white text looks on a background with the Yxy color 57.2904, 0.2894, 0.4952.

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

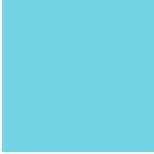
57.2904, 0.2894, 0.4952

Protanopia

56.2729, 0.4003, 0.4369

Deuteranopia

56.1511, 0.4102, 0.4020



Tritanopia

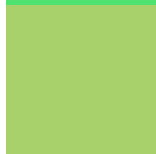
56.8791, 0.2429, 0.3068

Trichromacy



Original Color

57.2904, 0.2894, 0.4952



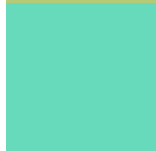
Protanomaly

54.4981, 0.3502, 0.4614



Deuteranomaly

53.3967, 0.3555, 0.4364



Tritanomaly

56.5554, 0.2601, 0.3723

Monochromacy



Original Color

57.2904, 0.2894, 0.4952



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

44.3152, 0.3005, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2904, 0.2894, 0.4952 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(80, 226, 113)` looks like.

```
.text, #text, p{  
    color:rgb(80, 226, 113)  
}
```

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(80, 226, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 226, 113) }
```

Border

The CSS property to change the border of an element to Yxy 57.2904, 0.2894, 0.4952 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(80, 226, 113) }
```

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

```
.border{ border-color:rgb(80, 226, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 226, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 226, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 226, 113);  
box-shadow:4px 4px 4px 4px rgb(80, 226,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2904, 0.2894, 0.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 226, 113) }
```

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

```
.background{ background-color: rgb(80, 226,  
113) }
```

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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