

Converting Colors

Yxy(59.2453, 0.2877, 0.4706)

Have a look what the booklet for
Yxy(59.2453, 0.2877, 0.4706)
contains.

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Color

Yxy(59.4515, 0.2880, 0.4715)

Conversions

Conversions Part 1

Format	Color
Hex	5EE481
RGB	94, 228, 129
RGB Percent	37%, 89%, 51%
CMY	0.6317, 0.1058, 0.4942
CMYK	0.59, 0.00, 0.43, 0.11
HSL	136°, 71%, 63%
HSV	136°, 59%, 89%
XYZ	36.3140, 59.4515, 30.3247
YIQ	176.6480, -48.0850, -59.1970

Conversions

Conversions Part 2

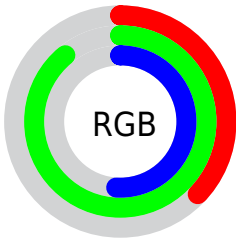
Format	Color
RYB	94, 200, 228
Decimal	6218881
CIELab	81.54, -57.62, 37.56
CIELCh	82, 68.778, 146.898
Yxy	59.4515, 0.2880, 0.4715
Android (android.graphics.Color)	4284408961 (0xFF5EE481)
YUV	176.6480, -23.4905, -72.4823
Hunter-Lab	77.1048, -50.8655, 30.6551

Details

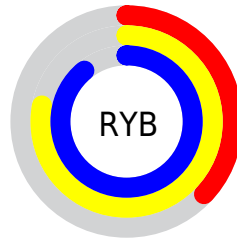
The Yxy color **59.4515, 0.2880, 0.4715** is a light color, and the websafe version is hex **33CC66**. The color can be described as light muted spring green. A complement of this color would be **28.3326, 0.3580, 0.2223**, and the grayscale version is **43.9045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9075, 0.2931, 0.4152**, and **29.7210, 0.2770, 0.5138** is the 20% darker color. If you saturate the color by 10%, you get **58.0113, 0.2867, 0.4996**, and if you desaturate by 10%, it is **61.3261, 0.2906, 0.4432**.

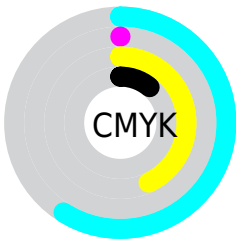
Distribution



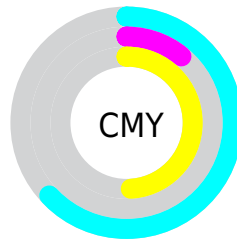
- Red (37%)
- Green (89%)
- Blue (51%)



- Red (37%)
- Yellow (78%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (63%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4515, 0.2880, 0.4715 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 59.4515, 0.2880, 0.4715 by changing the saturation by 10% instead.


 59.4515, 0.2880,
0.4715


 59.4515, 0.2880,
0.4715


422.5731, 0.3030,
0.3979


 42.9767, 0.2835,
0.4903

 104.0336, 0.2940,
0.4444

 29.8668, 0.2772,
0.5145


 132.9096, 0.2961,
0.4343

 19.7375, 0.2682,
0.5468


 166.6882, 0.2978,
0.4258

 12.2044, 0.2543,
0.5913

 205.7538, 0.2992,
0.4186

 6.8830, 0.2313,
0.6552

250.4906, 0.3004,
0.4123

 3.3891, 0.2024,
0.7976

301.2832, 0.3014,

 1.3381, 0.0000,

0.4069

1.0000

358.5159, 0.3022,
0.4021

■ 0.1704, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4515, 0.2880,
0.4715

■ 59.4515, 0.2880,
0.4715

■ 58.0113, 0.2867,
0.4996

■ 61.3261, 0.2906,
0.4432

■ 56.9623, 0.2868,
0.5261


■ 63.6597, 0.2943,
0.4157


■ 56.2646, 0.2886,
0.5494

■ 66.4835, 0.2986,
0.3901


■ 55.8558, 0.2914,
0.5684


■ 69.8237, 0.3034,
0.3666

 55.8170, 0.2918,
0.5703

 73.7049, 0.3083,
0.3455

 78.1499, 0.3133,
0.3269

 83.1803, 0.3182,
0.3106

 83.9745, 0.3139,
0.3029

Harmonies

Analogous

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



59.4515, 0.3711, 0.4917



59.4515, 0.2880, 0.4715



59.4515, 0.2162, 0.3884

Triad

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



59.4515, 0.2880, 0.4715



59.4515, 0.1863, 0.2013



59.4515, 0.4736, 0.3312

Complementary

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



59.4515, 0.2880, 0.4715



28.3326, 0.3580, 0.2223

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.



59.4515, 0.4090, 0.2733



59.4515, 0.2880, 0.4715



59.4515, 0.2381, 0.2022

Square

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



59.4515, 0.2880, 0.4715



59.4515, 0.1649, 0.2297



59.4515, 0.3182, 0.2278



59.4515, 0.4841, 0.3940

Rectangle

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



59.4515, 0.2880, 0.4715



59.4515, 0.1843, 0.3230



59.4515, 0.3182, 0.2278



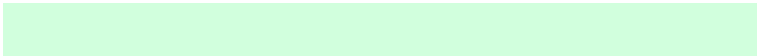
59.4515, 0.4573, 0.3110

Sweetspot

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



59.4539, 0.2880, 0.4715



90.3160, 0.3037, 0.3650



67.8349, 0.3701, 0.4815



19.0434, 0.3023, 0.3716



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.



59.4539, 0.2880, 0.4715



74.3619, 0.2866, 0.5068



61.7863, 0.2555, 0.3745



16.1508, 0.3080, 0.3468



32.2429, 0.2911, 0.5679



2.3976, 0.2832, 0.5394

Inverse Universe

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



28.3326, 0.3580, 0.2223



30.6873, 0.3713, 0.2071



26.0289, 0.4476, 0.2924



14.5475, 0.3178, 0.3118



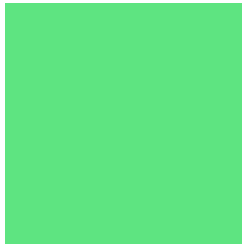
11.1849, 0.4002, 0.1978



0.8416, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 59.4515, 0.2880, 0.4715 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 59.4515, 0.2880, 0.4715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

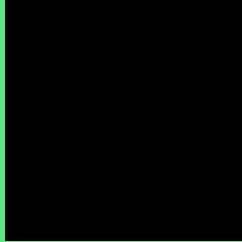
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.4515, 0.2880, 0.4715

Background



This preview shows how black text looks on a background with the Yxy color 59.4515, 0.2880, 0.4715.



This preview shows how white text looks on a background with the Yxy color 59.4515, 0.2880, 0.4715.

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

59.4515, 0.2880, 0.4715

Protanopia

58.3208, 0.3896, 0.4228

Deuteranopia

58.0307, 0.3978, 0.3893



Tritanopia

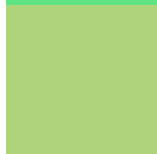
59.1325, 0.2457, 0.3073

Trichromacy



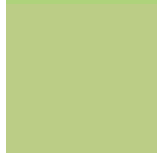
Original Color

59.4515, 0.2880, 0.4715



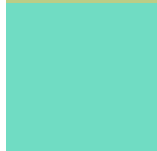
Protanomaly

57.0173, 0.3443, 0.4429



Deuteranomaly

55.9487, 0.3493, 0.4192



Tritanomaly

58.5713, 0.2610, 0.3629

Monochromacy



Original Color

59.4515, 0.2880, 0.4715



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.2210, 0.3004, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4515, 0.2880, 0.4715 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(94, 228, 129)` looks like.

```
.text, #text, p{  
  color:rgb(94, 228, 129)  
}
```

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(94, 228, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 228, 129) }
```

Border

The CSS property to change the border of an element to Yxy 59.4515, 0.2880, 0.4715 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(94, 228, 129) }
```

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

```
.border{ border-color:rgb(94, 228, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 228, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 228, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 228, 129);  
box-shadow:4px 4px 4px 4px rgb(94, 228,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4515, 0.2880, 0.4715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 228, 129) }
```

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

```
.background{ background-color: rgb(94, 228,  
129) }
```

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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