

Converting Colors

Yxy(58.6832, 0.2825, 0.4595)

Have a look what the booklet for
Yxy(58.6832, 0.2825, 0.4595)
contains.

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Color

Yxy(58.9180, 0.2823, 0.4594)

Conversions

Conversions Part 1

Format	Color
Hex	5AE389
RGB	90, 227, 137
RGB Percent	35%, 89%, 54%
CMY	0.6468, 0.1098, 0.4628
CMYK	0.60, 0.00, 0.40, 0.11
HSL	141°, 71%, 62%
HSV	141°, 60%, 89%
XYZ	36.2049, 58.9180, 33.1269
YIQ	175.7770, -52.7620, -57.0340

Conversions

Conversions Part 2

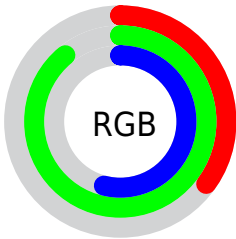
Format	Color
RYB	90, 192, 227
Decimal	5956489
CIELab	81.25, -56.72, 33.15
CIELCh	81, 65.695, 149.694
Yxy	58.9180, 0.2823, 0.4594
Android (android.graphics.Color)	4284146569 (0xFF5AE389)
YUV	175.7770, -19.1171, -75.2264
Hunter-Lab	76.7581, -50.1324, 28.1425

Details

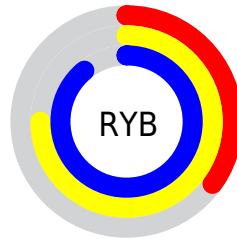
The Yxy color **58.9180, 0.2823, 0.4594** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **26.9526, 0.3736, 0.2310**, and the grayscale version is **43.4254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8609, 0.2870, 0.4056**, and **29.4213, 0.2716, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **57.5507, 0.2808, 0.4850**, and if you desaturate by 10%, it is **60.6969, 0.2853, 0.4339**.

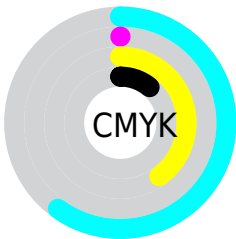
Distribution



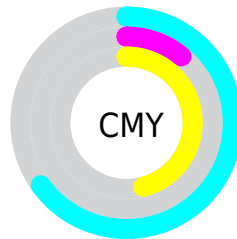
- Red (35%)
- Green (89%)
- Blue (54%)



- Red (35%)
- Yellow (75%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)





- Cyan (65%)
- Magenta (11%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9180, 0.2823, 0.4594 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 58.9180, 0.2823, 0.4594 by changing the saturation by 10% instead.


 58.9180, 0.2823,
0.4594


 58.9180, 0.2823,
0.4594

420.5980, 0.2995,
0.3921


 42.5471, 0.2774,
0.4767


 103.2585, 0.2890,
0.4346


 29.5299, 0.2708,
0.4990


 131.9969, 0.2914,
0.4253

 19.4821, 0.2615,
0.5288


 165.6265, 0.2933,
0.4176

 12.0191, 0.2477,
0.5704

 204.5319, 0.2950,
0.4110

 6.7567, 0.2254,
0.6313

249.0973, 0.2964,
0.4053

 3.3104, 0.1932,
0.7515

299.7072, 0.2975,

 1.2959, 0.0000,

0.4003

1.0000

356.7459, 0.2986,
0.3959

■ 0.1380, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9180, 0.2823,
0.4594

■ 58.9180, 0.2823,
0.4594

■ 57.5507, 0.2808,
0.4850

■ 60.6969, 0.2853,
0.4339

■ 56.5526, 0.2811,
0.5096

■ 62.9110, 0.2895,
0.4094

■ 55.8844, 0.2832,
0.5321


■ 65.5907, 0.2947,
0.3864


■ 55.4846, 0.2864,
0.5511

■ 68.7614, 0.3004,
0.3653

 72.4467, 0.3064,
0.3464

 76.6687, 0.3125,
0.3295

 81.4480, 0.3186,
0.3147

 83.4175, 0.3140,
0.3019

Harmonies

Analogous

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



58.9180, 0.3623, 0.4858



58.9180, 0.2823, 0.4594



58.9180, 0.2149, 0.3771

Triad

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



58.9180, 0.2823, 0.4594



58.9180, 0.1941, 0.2048



58.9180, 0.4703, 0.3374

Complementary

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



58.9180, 0.2823, 0.4594



26.9526, 0.3736, 0.2310

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.



58.9180, 0.4124, 0.2804



58.9180, 0.2823, 0.4594



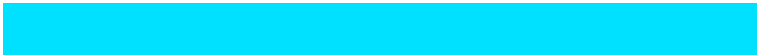
58.9180, 0.2472, 0.2078

Square

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



58.9180, 0.2823, 0.4594



58.9180, 0.1706, 0.2298



58.9180, 0.3264, 0.2347



58.9180, 0.4759, 0.3984

Rectangle

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



58.9180, 0.2823, 0.4594



58.9180, 0.1858, 0.3156



58.9180, 0.3264, 0.2347



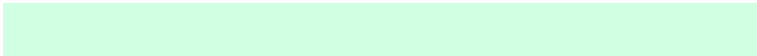
58.9180, 0.4562, 0.3176

Sweetspot

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



58.9204, 0.2823, 0.4594



90.5168, 0.3017, 0.3610



65.5435, 0.3622, 0.4899



19.0918, 0.2999, 0.3668



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.



58.9204, 0.2823, 0.4594



74.6049, 0.2808, 0.4904



61.4826, 0.2493, 0.3596



16.1703, 0.3069, 0.3448



32.3789, 0.2857, 0.5484



2.4096, 0.2774, 0.5187

Inverse Universe

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



26.9526, 0.3736, 0.2310



29.6270, 0.3914, 0.2186



24.8440, 0.4700, 0.3047



14.5269, 0.3190, 0.3137



10.8164, 0.4307, 0.2146



0.8166, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 58.9180, 0.2823, 0.4594 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 58.9180, 0.2823, 0.4594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

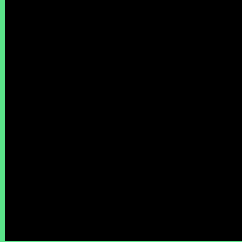
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.9180, 0.2823, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 58.9180, 0.2823, 0.4594.



This preview shows how white text looks on a background with the Yxy color 58.9180, 0.2823, 0.4594.

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

58.9180, 0.2823, 0.4594

Protanopia

57.7203, 0.3834, 0.4149

Deuteranopia

57.7481, 0.3888, 0.3813



Tritanopia

58.8465, 0.2440, 0.3072

Trichromacy



Original Color

58.9180, 0.2823, 0.4594



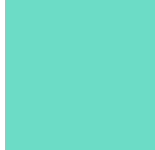
Protanomaly

56.3628, 0.3377, 0.4338



Deuteranomaly

55.8060, 0.3413, 0.4097



Tritanomaly

58.4518, 0.2576, 0.3588

Monochromacy



Original Color

58.9180, 0.2823, 0.4594



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.6586, 0.2975, 0.3760

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9180, 0.2823, 0.4594 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(90, 227, 137)` looks like.

```
.text, #text, p{  
    color:rgb(90, 227, 137)  
}
```

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(90, 227, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 227, 137) }
```

Border

The CSS property to change the border of an element to Yxy 58.9180, 0.2823, 0.4594 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(90, 227, 137) }
```

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

```
.border{ border-color:rgb(90, 227, 137) }
```

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

Here you see how a box with a 4 pixel rgb(90, 227, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 227, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 227, 137);  
box-shadow:4px 4px 4px 4px rgb(90, 227,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9180, 0.2823, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 227, 137) }
```

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

```
.background{ background-color: rgb(90, 227,  
137) }
```

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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