

Converting Colors

Yxy(59.0266, 0.2960, 0.4971)

Have a look what the booklet for
Yxy(59.0266, 0.2960, 0.4971)
contains.

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Color

Yxy(58.9617, 0.2960, 0.4969)

Conversions

Conversions Part 1

Format	Color
Hex	5DE46F
RGB	93, 228, 111
RGB Percent	36%, 89%, 44%
CMY	0.6355, 0.1058, 0.5646
CMYK	0.59, 0.00, 0.51, 0.11
HSL	128°, 71%, 63%
HSV	128°, 59%, 89%
XYZ	35.1231, 58.9617, 24.5743
YIQ	174.2970, -42.9030, -65.0070

Conversions

Conversions Part 2

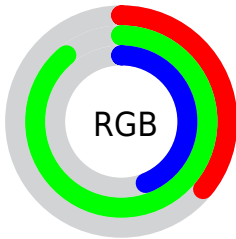
Format	Color
RYB	93, 212, 228
Decimal	6153327
CIELab	81.27, -60.47, 45.94
CIElCh	81, 75.939, 142.775
Yxy	58.9617, 0.2960, 0.4969
Android (android.graphics.Color)	4284343407 (0xFF5DE46F)
YUV	174.2970, -31.2054, -71.2975
Hunter-Lab	76.7865, -52.7283, 34.7758

Details

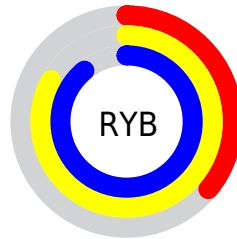
The Yxy color **58.9617, 0.2960, 0.4969** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **28.9629, 0.3383, 0.2061**, and the grayscale version is **42.6624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1066, 0.3016, 0.4377**, and **29.4416, 0.2853, 0.5472** is the 20% darker color. If you saturate the color by 10%, you get **57.5593, 0.2949, 0.5275**, and if you desaturate by 10%, it is **60.8197, 0.2979, 0.4647**.

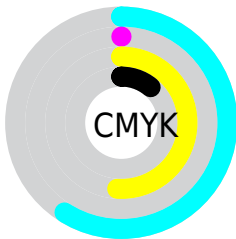
Distribution



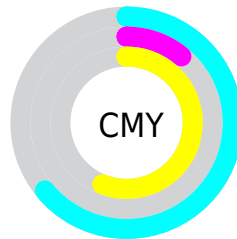
- Red (36%)
- Green (89%)
- Blue (44%)



- Red (36%)
- Yellow (83%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (51%)
- Black (11%)




- Cyan (64%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9617, 0.2960, 0.4969 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 58.9617, 0.2960, 0.4969 by changing the saturation by 10% instead.


 58.9617, 0.2960,
0.4969

 58.9617, 0.2960,
0.4969


420.7600, 0.3084,
0.4099


 42.5823, 0.2916,
0.5190


 103.3220, 0.3015,
0.4649


 29.5575, 0.2852,
0.5473


 132.0717, 0.3033,
0.4530

 19.5030, 0.2754,
0.5844


 165.7136, 0.3047,
0.4429

 12.0343, 0.2597,
0.6347

 204.6321, 0.3057,
0.4344

 6.7670, 0.2339,
0.7077

249.2115, 0.3066,
0.4270

 3.3168, 0.1868,
0.8132

299.8364, 0.3074,

 1.2993, 0.0000,

0.4206

1.0000

356.8911, 0.3079,
0.4149

■ 0.1407, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.9617, 0.2960,
0.4969

■ 58.9617, 0.2960,
0.4969

■ 57.5593, 0.2949,
0.5275

■ 60.8197, 0.2979,
0.4647

■ 56.5661, 0.2949,
0.5544

■ 63.1603, 0.3005,
0.4327

■ 55.9387, 0.2958,
0.5755


■ 66.0170, 0.3035,
0.4023

■ 55.6076, 0.2974,
0.5899


■ 69.4184, 0.3066,
0.3744

 55.5884, 0.2974,
0.5908

 73.3906, 0.3098,
0.3495

 77.9585, 0.3129,
0.3274

 83.1452, 0.3159,
0.3082

 83.9720, 0.3139,
0.3029

Harmonies

Analogous

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



58.9617, 0.3861, 0.5052



58.9617, 0.2960, 0.4969



58.9617, 0.2152, 0.4102

Triad

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



58.9617, 0.2960, 0.4969



58.9617, 0.1705, 0.1923



58.9617, 0.4840, 0.3204

Complementary

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



58.9617, 0.2960, 0.4969



28.9629, 0.3383, 0.2061

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.



58.9617, 0.4057, 0.2600



58.9617, 0.2960, 0.4969



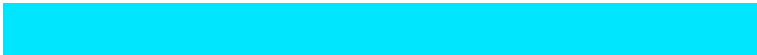
58.9617, 0.2212, 0.1899

Square

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



58.9617, 0.2960, 0.4969



58.9617, 0.1520, 0.2266



58.9617, 0.3046, 0.2139



58.9617, 0.5026, 0.3871

Rectangle

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



58.9617, 0.2960, 0.4969



58.9617, 0.1780, 0.3355



58.9617, 0.3046, 0.2139



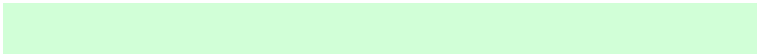
58.9617, 0.4633, 0.2992

Sweetspot

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



58.9641, 0.2960, 0.4969



90.0088, 0.3070, 0.3715



69.9828, 0.3826, 0.4755



18.9697, 0.3060, 0.3793



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.



58.9641, 0.2960, 0.4969



73.8593, 0.2948, 0.5338



61.0497, 0.2629, 0.3979



16.1204, 0.3098, 0.3500



32.1057, 0.2970, 0.5892



2.3826, 0.2911, 0.5679

Inverse Universe

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



28.9629, 0.3383, 0.2061



31.9068, 0.3447, 0.1894



26.2805, 0.4261, 0.2743



14.5803, 0.3158, 0.3089



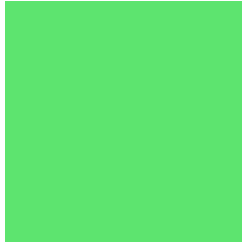
11.8774, 0.3578, 0.1745



0.8870, 0.3516, 0.1711

Previews

White Background



This preview shows how the Yxy color 58.9617, 0.2960, 0.4969 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 58.9617, 0.2960, 0.4969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

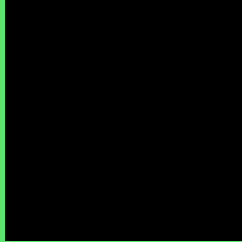
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.9617, 0.2960, 0.4969

Background



This preview shows how black text looks on a background with the Yxy color 58.9617, 0.2960, 0.4969.



This preview shows how white text looks on a background with the Yxy color 58.9617, 0.2960, 0.4969.

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

58.9617, 0.2960, 0.4969

Protanopia

57.6400, 0.4023, 0.4386

Deuteranopia

57.6724, 0.4141, 0.4049



Tritanopia

58.7122, 0.2469, 0.3073

Trichromacy



Original Color

58.9617, 0.2960, 0.4969



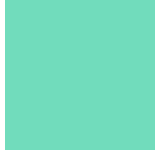
Protanomaly

56.1118, 0.3555, 0.4634



Deuteranomaly

55.1615, 0.3621, 0.4386



Tritanomaly

58.3279, 0.2651, 0.3728

Monochromacy



Original Color

58.9617, 0.2960, 0.4969



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.8377, 0.3052, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9617, 0.2960, 0.4969 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(93, 228, 111)` looks like.

```
.text, #text, p{  
    color:rgb(93, 228, 111)  
}
```

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(93, 228, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 228, 111) }
```

Border

The CSS property to change the border of an element to Yxy 58.9617, 0.2960, 0.4969 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(93, 228, 111) }
```

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

```
.border{ border-color:rgb(93, 228, 111) }
```

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

Here you see how a box with a 4 pixel rgb(93, 228, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 228, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 228, 111);  
box-shadow:4px 4px 4px 4px rgb(93, 228,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9617, 0.2960, 0.4969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 228, 111) }
```

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

```
.background{ background-color: rgb(93, 228,  
111) }
```

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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