

Converting Colors

Yxy(58.4711, 0.3002, 0.5946)

Have a look what the booklet for
Yxy(58.4711, 0.3002, 0.5946)
contains.

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Color

Yxy(58.4534, 0.3002, 0.5946)

Conversions

Conversions Part 1

Format	Color
Hex	12E913
RGB	18, 233, 19
RGB Percent	7%, 91%, 7%
CMY	0.9277, 0.0863, 0.9255
CMYK	0.92, 0.00, 0.92, 0.09
HSL	120°, 85%, 49%
HSV	120°, 92%, 91%
XYZ	29.5118, 58.4534, 10.3419
YIQ	144.3190, -59.4460, -112.1340

Conversions

Conversions Part 2

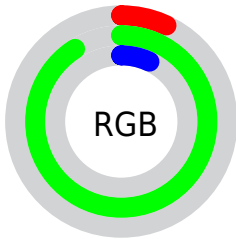
Format	Color
R_{YB}	18, 232, 233
Decimal	1239315
CIE _{Lab}	80.99, -79.49, 75.97
CIE _{LCh}	81, 109.953, 136.295
Yxy	58.4534, 0.3002, 0.5946
Android (android.graphics.Color)	4279429395 (0xFF12E913)
YUV	144.3190, -61.7823, -110.7818
Hunter-Lab	76.4548, -64.8944, 45.4983

Details

The Yxy color **58.4534, 0.3002, 0.5946** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **23.6215, 0.3214, 0.1567**, and the grayscale version is **28.3525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0922, 0.3134, 0.5290**, and **30.6599, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **58.2773, 0.3000, 0.5999**, and if you desaturate by 10%, it is **58.9315, 0.3008, 0.5811**.

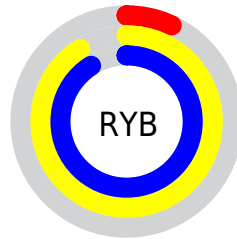
Distribution



Red (7%)

Green (91%)

Blue (7%)



Red (7%)

Yellow (91%)

Blue (91%)

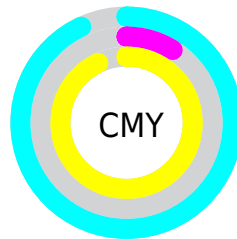


Cyan (92%)

Magenta (0%)

Yellow (92%)

Black (9%)



Cyan (93%)

Magenta (9%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4534, 0.3002, 0.5946 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 58.4534, 0.3002, 0.5946 by changing the saturation by 10% instead.

 58.4534, 0.3002,
0.5946

 58.4534, 0.3002,
0.5946


418.8733, 0.3190,
0.4582


 42.1733, 0.2914,
0.6266

 102.5828, 0.3101,
0.5459

 29.2370, 0.2781,
0.6652


 131.2009, 0.3130,
0.5272


 19.2602, 0.2575,
0.7117


 164.7004, 0.3149,
0.5113


 11.8584, 0.2273,
0.7727

 203.4657, 0.3164,
0.4976

 6.6473, 0.1757,
0.8243

 247.8813, 0.3174,
0.4858

 3.2425, 0.0764,
0.9236

 298.3315, 0.3181,

 1.2596, 0.0000,

0.4754

1.0000

355.2007, 0.3186,
0.4663

■ 0.1096, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4534, 0.3002,
0.5946

■ 58.4534, 0.3002,
0.5946


■ 58.2773, 0.3000,
0.5999


■ 58.9315, 0.3008,
0.5811


■ 59.7882, 0.3018,
0.5588


■ 61.0835, 0.3032,
0.5293


■ 62.8656, 0.3048,
0.4951

 65.1761, 0.3065,
0.4591

 68.0523, 0.3082,
0.4237

 71.5281, 0.3097,
0.3905

 75.6348, 0.3112,
0.3606

 80.4014, 0.3125,
0.3341

Harmonies

Analogous

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



58.4534, 0.4173, 0.5525



58.4534, 0.3002, 0.5946



58.4534, 0.1916, 0.4884

Triad

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



58.4534, 0.3002, 0.5946



58.4534, 0.1192, 0.1521



58.4534, 0.5400, 0.2892

Complementary

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



58.4534, 0.3002, 0.5946



23.6215, 0.3214, 0.1567

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.



58.4534, 0.4123, 0.2192



58.4534, 0.3002, 0.5946



58.4534, 0.1705, 0.1449

Square

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



58.4534, 0.3002, 0.5946



58.4534, 0.1038, 0.1993



58.4534, 0.2692, 0.1680



58.4534, 0.5754, 0.3669

Rectangle

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



58.4534, 0.3002, 0.5946



58.4534, 0.1405, 0.3670



58.4534, 0.2692, 0.1680



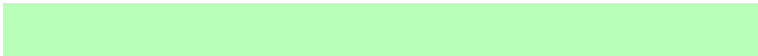
58.4534, 0.5050, 0.2647

Sweetspot

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



58.4558, 0.3002, 0.5946



85.1127, 0.3088, 0.4103



75.6442, 0.4180, 0.5030



17.8442, 0.3081, 0.4250



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.



58.4558, 0.3002, 0.5946



71.5214, 0.3000, 0.5999



59.9079, 0.2705, 0.4890



16.8628, 0.3115, 0.3533



33.0691, 0.3000, 0.5998



2.5969, 0.2998, 0.5994

Inverse Universe

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



23.6215, 0.3214, 0.1567



28.4378, 0.3216, 0.1545



19.2691, 0.4803, 0.2463



15.3131, 0.3138, 0.3059



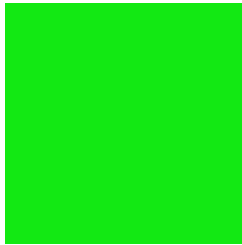
13.1489, 0.3216, 0.1545



1.0327, 0.3215, 0.1545

Previews

White Background



This preview shows how the Yxy color 58.4534, 0.3002, 0.5946 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 58.4534, 0.3002, 0.5946 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 58.4534, 0.3002, 0.5946

Background



This preview shows how black text looks on a background with the Yxy color 58.4534, 0.3002, 0.5946.



This preview shows how white text looks on a background with the Yxy color 58.4534, 0.3002, 0.5946.

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

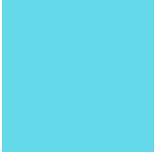
58.4534, 0.3002, 0.5946

Protanopia

57.3161, 0.4406, 0.4884

Deuteranopia

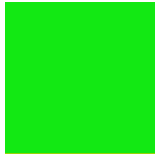
56.9762, 0.4605, 0.4503



Tritanopia

58.2189, 0.2362, 0.3068

Trichromacy



Original Color

58.4534, 0.3002, 0.5946



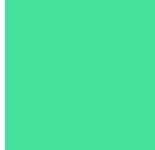
Protanomaly

53.5863, 0.3675, 0.5447



Deuteranomaly

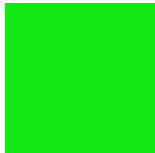
51.9297, 0.3795, 0.5193



Tritanomaly

56.4777, 0.2647, 0.4282

Monochromacy



Original Color

58.4534, 0.3002, 0.5946



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

34.5482, 0.3057, 0.4629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4534, 0.3002, 0.5946 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(18, 233, 19)` looks like.

```
.text, #text, p{  
    color:rgb(18, 233, 19)  
}
```

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(18, 233, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 233, 19) }
```

Border

The CSS property to change the border of an element to Yxy 58.4534, 0.3002, 0.5946 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(18, 233, 19) }
```

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

```
.border{ border-color:rgb(18, 233, 19) }
```

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

Here you see how a box with a 4 pixel rgb(18, 233, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 233, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 233, 19);  
box-shadow:4px 4px 4px 4px rgb(18, 233,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4534, 0.3002, 0.5946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 233, 19) }
```

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

```
.background{ background-color: rgb(18, 233,  
19) }
```

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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