

Converting Colors

$Y_{xy}(59.5717, 0.2976, 0.5912)$

Have a look what the booklet for
Yxy(59.5717, 0.2976, 0.5912)
contains.

Yxy(59.5220, 0.2976, 0.5911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.5220, 0.2976, 0.5911)

Conversions

Conversions Part 1

Format	Color
Hex	01EB1F
RGB	1, 235, 31
RGB Percent	0%, 92%, 12%
CMY	0.9965, 0.0784, 0.8783
CMYK	1.00, 0.00, 0.87, 0.08
HSL	128°, 99%, 46%
HSV	128°, 100%, 92%
XYZ	29.9674, 59.5220, 11.2076
YIQ	141.7780, -73.9800, -113.0520

Conversions

Conversions Part 2

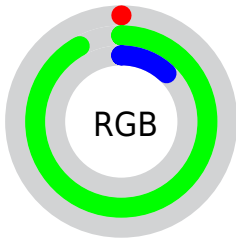
Format	Color
RYB	1, 208, 235
Decimal	125727
CIELab	81.58, -80.28, 74.51
CIELCh	82, 109.530, 137.137
Yxy	59.5220, 0.2976, 0.5911
Android (android.graphics.Color)	4278315807 (0xFF01EB1F)
YUV	141.7780, -54.6136, -123.4623
Hunter-Lab	77.1505, -65.6789, 45.3924

Details

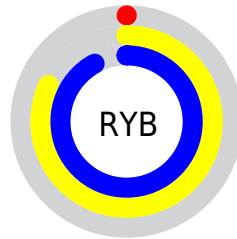
The Yxy color **59.5220, 0.2976, 0.5911** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **22.0834, 0.3568, 0.1740**, and the grayscale version is **27.1896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9983, 0.3099, 0.5239**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.5146, 0.2976, 0.5915**, and if you desaturate by 10%, it is **59.8622, 0.2961, 0.5773**.

Distribution



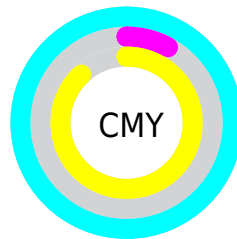
- Red (0%)
- Green (92%)
- Blue (12%)



- Red (0%)
- Yellow (82%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5220, 0.2976, 0.5911 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 59.5220, 0.2976, 0.5911 by changing the saturation by 10% instead.


 59.5220, 0.2976,
0.5911


 59.5220, 0.2976,
0.5911


422.8336, 0.3170,
0.4564


 43.0335, 0.2889,
0.6229


 104.1360, 0.3076,
0.5429


 29.9114, 0.2759,
0.6615


 133.0302, 0.3105,
0.5244

 19.7713, 0.2558,
0.7081


 166.8284, 0.3125,
0.5087

 12.2289, 0.2274,
0.7726

 205.9150, 0.3140,
0.4953

 6.8998, 0.1764,
0.8236

 250.6745, 0.3151,
0.4836

 3.3995, 0.0837,
0.9163

 301.4911, 0.3160,

 1.3437, 0.0000,

0.4734

1.0000

358.7494, 0.3166,
0.4644

■ 0.1747, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5220, 0.2976,
0.5911

■ 59.5220, 0.2976,
0.5911


■ 59.5146, 0.2976,
0.5915


■ 59.8622, 0.2961,
0.5773


■ 60.5131, 0.2952,
0.5566


■ 61.5550, 0.2952,
0.5300


■ 63.0377, 0.2962,
0.4994

 65.0038, 0.2981,
0.4670

 67.4905, 0.3006,
0.4347

 70.5317, 0.3035,
0.4040

 74.1580, 0.3066,
0.3758

 78.3981, 0.3098,
0.3505

Harmonies

Analogous

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



59.5220, 0.4140, 0.5535



59.5220, 0.2976, 0.5911



59.5220, 0.1902, 0.4818

Triad

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



59.5220, 0.2976, 0.5911



59.5220, 0.1213, 0.1526



59.5220, 0.5404, 0.2919

Complementary

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



59.5220, 0.2976, 0.5911



22.0834, 0.3568, 0.1740

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.



59.5220, 0.4157, 0.2218



59.5220, 0.2976, 0.5911



59.5220, 0.1736, 0.1463

Square

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



59.5220, 0.2976, 0.5911



59.5220, 0.1051, 0.1984



59.5220, 0.2732, 0.1702



59.5220, 0.5729, 0.3696

Rectangle

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



59.5220, 0.2976, 0.5911



59.5220, 0.1403, 0.3620



59.5220, 0.2732, 0.1702



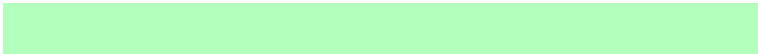
59.5220, 0.5065, 0.2674

Sweetspot

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



59.5245, 0.2976, 0.5911



84.6902, 0.3034, 0.4056



72.7868, 0.3987, 0.5215



17.7807, 0.3021, 0.4183



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.



59.5245, 0.2976, 0.5911



71.6289, 0.2978, 0.5919



61.4778, 0.2615, 0.4614



16.8937, 0.3098, 0.3502



33.1312, 0.2972, 0.5899



2.6118, 0.2918, 0.5703

Inverse Universe

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



22.0834, 0.3568, 0.1740



26.5428, 0.3571, 0.1741



18.4315, 0.5473, 0.2791



15.2784, 0.3158, 0.3087



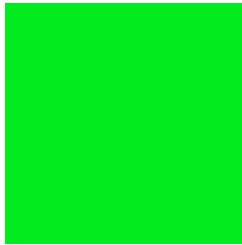
12.2894, 0.3563, 0.1736



0.9743, 0.3507, 0.1705

Previews

White Background



This preview shows how the Yxy color 59.5220, 0.2976, 0.5911 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 59.5220, 0.2976, 0.5911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

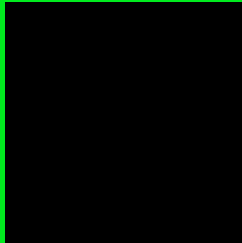
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.5220, 0.2976, 0.5911

Background



This preview shows how black text looks on a background with the Yxy color 59.5220, 0.2976, 0.5911.



This preview shows how white text looks on a background with the Yxy color 59.5220, 0.2976, 0.5911.

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

59.5220, 0.2976, 0.5911

Protanopia

57.9925, 0.4384, 0.4854

Deuteranopia

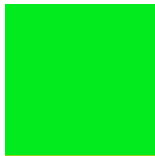
58.2625, 0.4583, 0.4485



Tritanopia

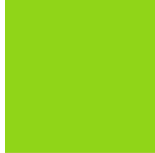
59.3158, 0.2355, 0.3070

Trichromacy



Original Color

59.5220, 0.2976, 0.5911



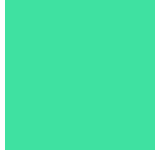
Protanomaly

53.5837, 0.3604, 0.5446



Deuteranomaly

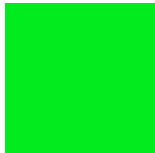
52.4161, 0.3721, 0.5195



Tritanomaly

57.4804, 0.2607, 0.4232

Monochromacy



Original Color

59.5220, 0.2976, 0.5911



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

34.2341, 0.2986, 0.4597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5220, 0.2976, 0.5911 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(1, 235, 31)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 31)  
}
```

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(1, 235, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 31) }
```

Border

The CSS property to change the border of an element to Yxy 59.5220, 0.2976, 0.5911 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(1, 235, 31) }
```

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

```
.border{ border-color:rgb(1, 235, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 235, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 235, 31);  
box-shadow:4px 4px 4px 4px rgb(1, 235, 31)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.5220, 0.2976, 0.5911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 31) }
```

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

```
.background{ background-color: rgb(1, 235,  
31) }
```

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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