

Converting Colors

$Y_{xy}(59.3081, 0.2970, 0.5891)$

Have a look what the booklet for
Yxy(59.3081, 0.2970, 0.5891)
contains.

Yxy(59.5380, 0.2970, 0.5892)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.5380, 0.2970, 0.5892)

Conversions

Conversions Part 1

Format	Color
Hex	00EB23
RGB	0, 235, 35
RGB Percent	0%, 92%, 14%
CMY	1.0000, 0.0784, 0.8627
CMYK	1.00, 0.00, 0.85, 0.08
HSL	129°, 100%, 46%
HSV	129°, 100%, 92%
XYZ	30.0115, 59.5380, 11.4994
YIQ	141.9350, -75.8600, -112.0200

Conversions

Conversions Part 2

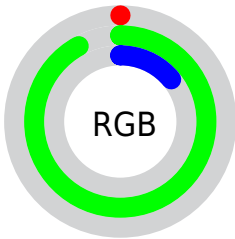
Format	Color
RYB	0, 205, 235
Decimal	60195
CIELab	81.59, -80.16, 73.72
CIELCh	82, 108.898, 137.396
Yxy	59.5380, 0.2970, 0.5892
Android (android.graphics.Color)	4278250275 (0xFF00EB23)
YUV	141.9350, -52.7190, -124.4770
Hunter-Lab	77.1609, -65.6044, 45.1766

Details

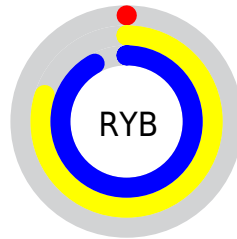
The Yxy color **59.5380, 0.2970, 0.5892** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.8332, 0.3632, 0.1775**, and the grayscale version is **27.2593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0370, 0.3092, 0.5219**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.5405, 0.2970, 0.5892**, and if you desaturate by 10%, it is **59.8831, 0.2952, 0.5747**.

Distribution



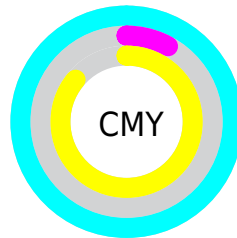
- Red (0%)
- Green (92%)
- Blue (14%)



- Red (0%)
- Yellow (80%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5380, 0.2970, 0.5892 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 59.5380, 0.2970, 0.5892 by changing the saturation by 10% instead.


 59.5380, 0.2970,
0.5892

 59.5380, 0.2970,
0.5892

 422.8928, 0.3164,
0.4554

 43.0464, 0.2884,
0.6209

 104.1592, 0.3069,
0.5412


 29.9215, 0.2755,
0.6595


 133.0575, 0.3098,
0.5229


 19.7790, 0.2556,
0.7062

 166.8602, 0.3119,
0.5073

 12.2345, 0.2278,
0.7722

 205.9516, 0.3134,
0.4939

 6.9036, 0.1769,
0.8231

 250.7162, 0.3145,
0.4823

 3.4019, 0.0847,
0.9153

 301.5383, 0.3154,

 1.3450, 0.0000,

0.4722

1.0000

358.8024, 0.3160,
0.4633

■ 0.1756, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5380, 0.2970,
0.5892

■ 59.5380, 0.2970,
0.5892

■ 59.5405, 0.2970,
0.5892

■ 59.8831, 0.2952,
0.5747


■ 60.5315, 0.2941,
0.5537


■ 61.5662, 0.2940,
0.5271


■ 63.0367, 0.2949,
0.4969

 64.9852, 0.2969,
0.4650

 67.4487, 0.2995,
0.4334

 70.4605, 0.3026,
0.4033

 74.0512, 0.3059,
0.3757

 78.2491, 0.3094,
0.3509

Harmonies

Analogous

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



59.5380, 0.4130, 0.5533



59.5380, 0.2970, 0.5892



59.5380, 0.1902, 0.4793

Triad

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



59.5380, 0.2970, 0.5892



59.5380, 0.1223, 0.1532



59.5380, 0.5398, 0.2929

Complementary

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



59.5380, 0.2970, 0.5892



21.8332, 0.3632, 0.1775

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.



59.5380, 0.4164, 0.2229



59.5380, 0.2970, 0.5892



59.5380, 0.1749, 0.1471

Square

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



59.5380, 0.2970, 0.5892



59.5380, 0.1059, 0.1985



59.5380, 0.2745, 0.1712



59.5380, 0.5716, 0.3705

Rectangle

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



59.5380, 0.2970, 0.5892



59.5380, 0.1407, 0.3604



59.5380, 0.2745, 0.1712



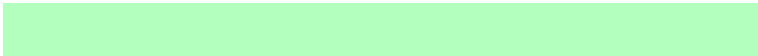
59.5380, 0.5064, 0.2684

Sweetspot

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



59.5405, 0.2970, 0.5892



84.7573, 0.3025, 0.4037



72.2100, 0.3957, 0.5240



17.7960, 0.3012, 0.4162



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.



59.5405, 0.2970, 0.5892



71.6598, 0.2971, 0.5896



61.5838, 0.2600, 0.4558



16.8987, 0.3095, 0.3497



33.1471, 0.2965, 0.5874



2.6141, 0.2905, 0.5659

Inverse Universe

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



21.8332, 0.3632, 0.1775



26.2709, 0.3634, 0.1776



18.3375, 0.5550, 0.2831



15.2730, 0.3161, 0.3092



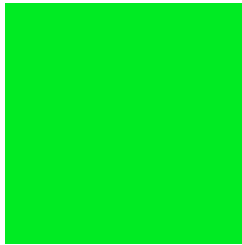
12.1658, 0.3625, 0.1770



0.9658, 0.3558, 0.1734

Previews

White Background



This preview shows how the Yxy color 59.5380, 0.2970, 0.5892 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 59.5380, 0.2970, 0.5892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

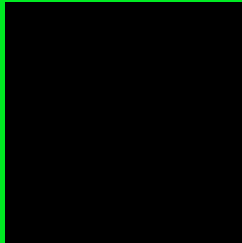
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

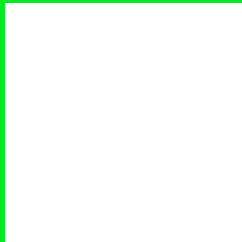
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.5380, 0.2970, 0.5892

Background



This preview shows how black text looks on a background with the Yxy color 59.5380, 0.2970, 0.5892.



This preview shows how white text looks on a background with the Yxy color 59.5380, 0.2970, 0.5892.

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

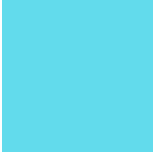
59.5380, 0.2970, 0.5892

Protanopia

58.0122, 0.4376, 0.4843

Deuteranopia

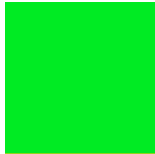
58.2940, 0.4571, 0.4469



Tritanopia

59.3158, 0.2355, 0.3070

Trichromacy



Original Color

59.5380, 0.2970, 0.5892



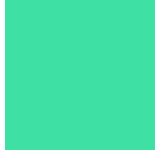
Protanomaly

53.6065, 0.3596, 0.5428



Deuteranomaly

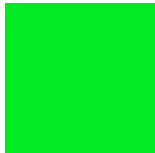
52.3472, 0.3700, 0.5175



Tritanomaly

57.5189, 0.2594, 0.4201

Monochromacy



Original Color

59.5380, 0.2970, 0.5892



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

34.2036, 0.2972, 0.4581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5380, 0.2970, 0.5892 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(0, 235, 35)` looks like.

```
.text, #text, p{  
  color:rgb(0, 235, 35)  
}
```

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(0, 235, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 35) }
```

Border

The CSS property to change the border of an element to Yxy 59.5380, 0.2970, 0.5892 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(0, 235, 35) }
```

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

```
.border{ border-color:rgb(0, 235, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 35)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.5380, 0.2970, 0.5892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 35) }
```

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

```
.background{ background-color: rgb(0, 235,  
35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor