

Converting Colors

Yxy(59.6051, 0.2901, 0.5644)

Have a look what the booklet for
Yxy(59.6051, 0.2901, 0.5644)
contains.

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Color

Yxy(59.8340, 0.2902, 0.5646)

Conversions

Conversions Part 1

Format	Color
Hex	00EB44
RGB	0, 235, 68
RGB Percent	0%, 92%, 27%
CMY	0.9983, 0.0784, 0.7335
CMYK	1.00, 0.00, 0.71, 0.08
HSL	137°, 100%, 46%
HSV	137°, 100%, 92%
XYZ	30.7542, 59.8340, 15.3877
YIQ	145.6970, -86.4530, -101.7570

Conversions

Conversions Part 2

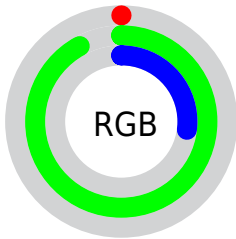
Format	Color
RYB	0, 182, 235
Decimal	60228
CIELab	81.75, -78.07, 64.35
CIELCh	82, 101.172, 140.499
Yxy	59.8340, 0.2902, 0.5646
Android (android.graphics.Color)	4278250308 (0xFF00EB44)
YUV	145.6970, -38.3046, -127.7763
Hunter-Lab	77.3524, -64.3978, 42.3522

Details

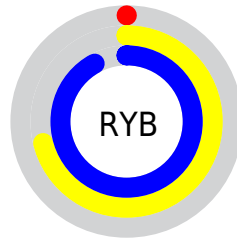
The Yxy color **59.8340, 0.2902, 0.5646** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **20.4793, 0.4115, 0.2041**, and the grayscale version is **28.8531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4454, 0.2990, 0.4954**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.8300, 0.2903, 0.5649**, and if you desaturate by 10%, it is **60.2611, 0.2871, 0.5455**.

Distribution



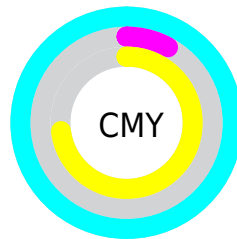
- Red (0%)
- Green (92%)
- Blue (27%)



- Red (0%)
- Yellow (71%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8340, 0.2902, 0.5646 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 59.8340, 0.2902, 0.5646 by changing the saturation by 10% instead.


 59.8340, 0.2902,
0.5646

 59.8340, 0.2902,
0.5646


423.9856, 0.3101,
0.4423

 43.2848, 0.2825,
0.5947

 104.5888, 0.2995,
0.5201

 30.1087, 0.2712,
0.6321


 133.5633, 0.3024,
0.5033


 19.9211, 0.2539,
0.6792


 167.4483, 0.3046,
0.4891

 12.3377, 0.2276,
0.7404

 206.6283, 0.3062,
0.4770

 6.9741, 0.1852,
0.8148

 251.4876, 0.3075,
0.4665

 3.4459, 0.1000,
0.9000

302.4107, 0.3086,

 1.3687, 0.0000,

0.4574

1.0000

359.7819, 0.3094,
0.4494

■ 0.1935, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8340, 0.2902,
0.5646

■ 59.8340, 0.2902,
0.5646

■ 59.8300, 0.2903,
0.5649

■ 60.2611, 0.2871,
0.5455

■ 60.9794, 0.2851,
0.5226

■ 62.0655, 0.2848,
0.4968

■ 63.5655, 0.2861,
0.4694

■ 65.5182, 0.2887,
0.4419

■ 67.9579, 0.2925,
0.4153

■ 70.9154, 0.2971,
0.3903

■ 74.4191, 0.3022,
0.3675

■ 78.4951, 0.3075,
0.3469

Harmonies

Analogous

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



59.8340, 0.4009, 0.5490



59.8340, 0.2902, 0.5646



59.8340, 0.1904, 0.4507

Triad

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



59.8340, 0.2902, 0.5646



59.8340, 0.1350, 0.1604



59.8340, 0.5321, 0.3046

Complementary

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



59.8340, 0.2902, 0.5646



20.4793, 0.4115, 0.2041

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.



59.8340, 0.4237, 0.2356



59.8340, 0.2902, 0.5646



59.8340, 0.1903, 0.1572

Square

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



59.8340, 0.2902, 0.5646



59.8340, 0.1159, 0.2004



59.8340, 0.2901, 0.1833



59.8340, 0.5548, 0.3811

Rectangle

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



59.8340, 0.2902, 0.5646



59.8340, 0.1456, 0.3436



59.8340, 0.2901, 0.1833



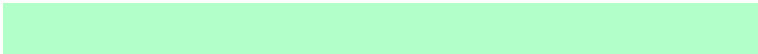
59.8340, 0.5036, 0.2806

Sweetspot

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



59.8365, 0.2902, 0.5646



85.2387, 0.2969, 0.3911



67.8019, 0.3694, 0.5448



17.9070, 0.2949, 0.4014



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.



59.8365, 0.2902, 0.5646



72.0064, 0.2905, 0.5656



62.8878, 0.2447, 0.4010



16.9335, 0.3076, 0.3462



33.3170, 0.2895, 0.5622



2.6323, 0.2819, 0.5348

Inverse Universe

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



20.4793, 0.4115, 0.2041



24.6209, 0.4122, 0.2044



17.9128, 0.6058, 0.3112



15.2355, 0.3182, 0.3124



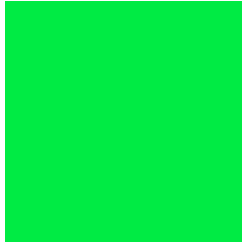
11.4131, 0.4099, 0.2032



0.9127, 0.3947, 0.1948

Previews

White Background



This preview shows how the Yxy color 59.8340, 0.2902, 0.5646 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 59.8340, 0.2902, 0.5646 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 59.8340, 0.2902, 0.5646

Background



This preview shows how black text looks on a background with the Yxy color 59.8340, 0.2902, 0.5646.



This preview shows how white text looks on a background with the Yxy color 59.8340, 0.2902, 0.5646.

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

59.8340, 0.2902, 0.5646

Protanopia

58.7256, 0.4273, 0.4711

Deuteranopia

58.2257, 0.4440, 0.4333



Tritanopia

59.2643, 0.2344, 0.3057

Trichromacy



Original Color

59.8340, 0.2902, 0.5646



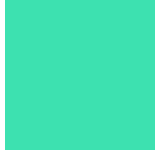
Protanomaly

54.3702, 0.3504, 0.5232



Deuteranomaly

52.5466, 0.3588, 0.4963



Tritanomaly

57.9771, 0.2530, 0.3999

Monochromacy



Original Color

59.8340, 0.2902, 0.5646



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

35.4760, 0.2894, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8340, 0.2902, 0.5646 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 68) }
```

Border

The CSS property to change the border of an element to Yxy 59.8340, 0.2902, 0.5646 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, 68) }
```

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

```
.border{ border-color:rgb(0, 235, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.8340, 0.2902, 0.5646 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, 68) }
```

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

```
.background{ background-color: rgb(0, 235,  
68) }
```

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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