

Converting Colors

Yxy(59.4469, 0.2937, 0.5774)

Have a look what the booklet for
Yxy(59.4469, 0.2937, 0.5774)
contains.

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Color

Yxy(59.6737, 0.2938, 0.5776)

Conversions

Conversions Part 1

Format	Color
Hex	00EB35
RGB	0, 235, 53
RGB Percent	0%, 92%, 21%
CMY	0.9989, 0.0784, 0.7921
CMYK	1.00, 0.00, 0.77, 0.08
HSL	133°, 100%, 46%
HSV	133°, 100%, 92%
XYZ	30.3534, 59.6737, 13.2861
YIQ	143.9870, -81.6380, -106.4220

Conversions

Conversions Part 2

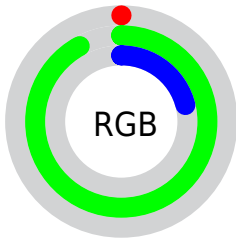
Format	Color
RYB	0, 192, 235
Decimal	60213
CIELab	81.66, -79.19, 69.18
CIELCh	82, 105.150, 138.858
Yxy	59.6737, 0.2938, 0.5776
Android (android.graphics.Color)	4278250293 (0xFF00EB35)
YUV	143.9870, -44.8566, -126.2766
Hunter-Lab	77.2488, -65.0472, 43.8768

Details

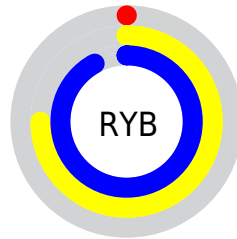
The Yxy color **59.6737, 0.2938, 0.5776** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.0572, 0.3885, 0.1914**, and the grayscale version is **28.1291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2230, 0.3043, 0.5091**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.6724, 0.2938, 0.5778**, and if you desaturate by 10%, it is **60.0666, 0.2912, 0.5601**.

Distribution



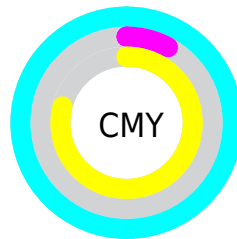
- Red (0%)
- Green (92%)
- Blue (21%)



- Red (0%)
- Yellow (75%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6737, 0.2938, 0.5776 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 59.6737, 0.2938, 0.5776 by changing the saturation by 10% instead.

 59.6737, 0.2938,
0.5776


 59.6737, 0.2938,
0.5776


423.3940, 0.3133,
0.4491

 43.1557, 0.2857,
0.6086

 104.3562, 0.3034,
0.5311


 30.0073, 0.2736,
0.6469

 133.2894, 0.3062,
0.5135


 19.8441, 0.2550,
0.6940


 167.1299, 0.3083,
0.4986

 12.2818, 0.2285,
0.7600

 206.2619, 0.3099,
0.4858

 6.9359, 0.1807,
0.8193

 251.0700, 0.3111,
0.4747

 3.4220, 0.0919,
0.9081

301.9384, 0.3121,

 1.3558, 0.0000,

0.4651

1.0000

359.2516, 0.3128,
0.4566

■ 0.1838, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.6737, 0.2938,
0.5776

■ 59.6737, 0.2938,
0.5776

■ 59.6724, 0.2938,
0.5778

■ 60.0666, 0.2912,
0.5601

■ 60.7571, 0.2895,
0.5376

■ 61.8242, 0.2891,
0.5110

■ 63.3152, 0.2902,
0.4821

■ 65.2703, 0.2925,
0.4524

■ 67.7249, 0.2957,
0.4235

■ 70.7108, 0.2996,
0.3962

■ 74.2571, 0.3039,
0.3711

■ 78.3910, 0.3083,
0.3487

Harmonies

Analogous

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



59.6737, 0.4073, 0.5516



59.6737, 0.2938, 0.5776



59.6737, 0.1903, 0.4653

Triad

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



59.6737, 0.2938, 0.5776



59.6737, 0.1283, 0.1566



59.6737, 0.5362, 0.2985

Complementary

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



59.6737, 0.2938, 0.5776



21.0572, 0.3885, 0.1914

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.



59.6737, 0.4201, 0.2290



59.6737, 0.2938, 0.5776



59.6737, 0.1822, 0.1519

Square

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



59.6737, 0.2938, 0.5776



59.6737, 0.1106, 0.1994



59.6737, 0.2820, 0.1769



59.6737, 0.5636, 0.3756

Rectangle

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



59.6737, 0.2938, 0.5776



59.6737, 0.1430, 0.3521



59.6737, 0.2820, 0.1769



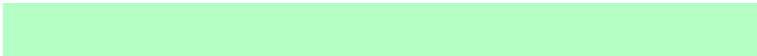
59.6737, 0.5052, 0.2743

Sweetspot

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



59.6762, 0.2938, 0.5776



85.0154, 0.2995, 0.3968



69.6261, 0.3809, 0.5357



17.8553, 0.2978, 0.4082



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.



59.6762, 0.2938, 0.5776



71.8182, 0.2940, 0.5784



62.2648, 0.2514, 0.4251



16.9176, 0.3085, 0.3478



33.2259, 0.2932, 0.5754



2.6233, 0.2861, 0.5498

Inverse Universe

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



21.0572, 0.3885, 0.1914



25.3243, 0.3889, 0.1916



18.0710, 0.5854, 0.2999



15.2525, 0.3172, 0.3109



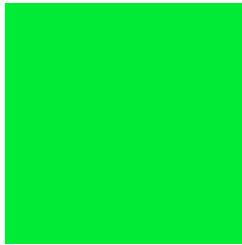
11.7345, 0.3873, 0.1907



0.9356, 0.3762, 0.1846

Previews

White Background



This preview shows how the Yxy color 59.6737, 0.2938, 0.5776 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 59.6737, 0.2938, 0.5776 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 59.6737, 0.2938, 0.5776

Background



This preview shows how black text looks on a background with the Yxy color 59.6737, 0.2938, 0.5776.

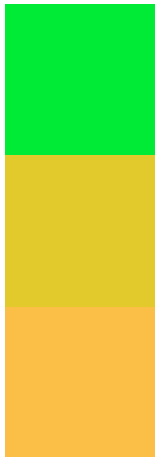


This preview shows how white text looks on a background with the Yxy color 59.6737, 0.2938, 0.5776.

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

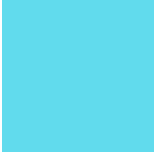
59.6737, 0.2938, 0.5776

Protanopia

58.1239, 0.4332, 0.4778

Deuteranopia

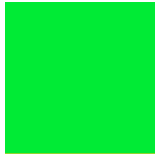
58.2387, 0.4512, 0.4410



Tritanopia

59.3188, 0.2347, 0.3057

Trichromacy



Original Color

59.6737, 0.2938, 0.5776



Protanomaly

53.7230, 0.3556, 0.5335



Deuteranomaly

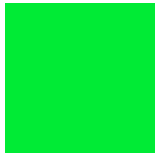
52.4809, 0.3653, 0.5076



Tritanomaly

57.7768, 0.2561, 0.4091

Monochromacy



Original Color

59.6737, 0.2938, 0.5776



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

34.8673, 0.2933, 0.4446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6737, 0.2938, 0.5776 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 53) }
```

Border

The CSS property to change the border of an element to Yxy 59.6737, 0.2938, 0.5776 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, 53) }
```

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

```
.border{ border-color:rgb(0, 235, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.6737, 0.2938, 0.5776 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, 53) }
```

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

```
.background{ background-color: rgb(0, 235,  
53) }
```

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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