

Converting Colors

$Y_{xy}(59.5960, 0.2903, 0.5652)$

Have a look what the booklet for
Yxy(59.5960, 0.2903, 0.5652)
contains.

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Color

Yxy(59.8219, 0.2904, 0.5655)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00EB43 |
| RGB | 0, 235, 67 |
| RGB Percent | 0%, 92%, 26% |
| CMY | 1.0000, 0.0784, 0.7371 |
| CMYK | 1.00, 0.00, 0.71, 0.08 |
| HSL | 137°, 100%, 46% |
| HSV | 137°, 100%, 92% |
| XYZ | 30.7202, 59.8219, 15.2437 |
| YIQ | 145.5830, -86.1320, -102.0680 |

Conversions

Conversions Part 2

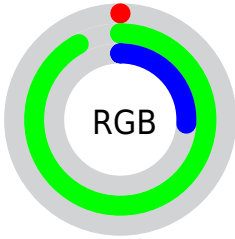
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 183, 235 |
| Decimal | 60227 |
| CIELab | 81.74, -78.16, 64.67 |
| CIELCh | 82, 101.448, 140.397 |
| Yxy | 59.8219, 0.2904, 0.5655 |
| Android (android.graphics.Color) | 4278250307 (0xFF00EB43) |
| YUV | 145.5830, -38.7414, -127.6763 |
| Hunter-Lab | 77.3446, -64.4554, 42.4559 |

Details

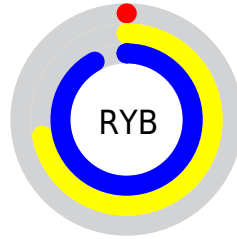
The Yxy color **59.8219, 0.2904, 0.5655** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **20.4889, 0.4107, 0.2036**, and the grayscale version is **28.7563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4200, 0.2994, 0.4966**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.8258, 0.2904, 0.5655**, and if you desaturate by 10%, it is **60.2458, 0.2873, 0.5466**.

Distribution



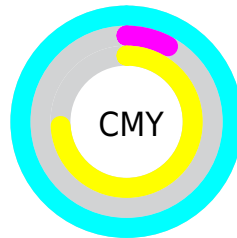
- Red (0%)
- Green (92%)
- Blue (26%)



- Red (0%)
- Yellow (72%)
- Blue (92%)



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





- Cyan (100%)
- Magenta (8%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8219, 0.2904, 0.5655 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 59.8219, 0.2904, 0.5655 by changing the saturation by 10% instead.


 59.8219, 0.2904,
0.5655

 59.8219, 0.2904,
0.5655


423.9410, 0.3103,
0.4427


 43.2751, 0.2827,
0.5956


 104.5713, 0.2997,
0.5208


 30.1010, 0.2713,
0.6332


 133.5426, 0.3026,
0.5040

 19.9153, 0.2539,
0.6802


 167.4243, 0.3048,
0.4897

 12.3335, 0.2275,
0.7418

 206.6006, 0.3064,
0.4776

 6.9712, 0.1848,
0.8152

 251.4561, 0.3077,
0.4671

 3.4441, 0.0993,
0.9007

302.3750, 0.3088,

 1.3677, 0.0000,

0.4579

1.0000

359.7419, 0.3096,
0.4498

■ 0.1928, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8219, 0.2904,
0.5655

■ 59.8219, 0.2904,
0.5655

■ 59.8258, 0.2904,
0.5655

■ 60.2458, 0.2873,
0.5466

■ 60.9569, 0.2853,
0.5237

■ 62.0354, 0.2850,
0.4978

■ 63.5275, 0.2862,
0.4704

■ 65.4721, 0.2888,
0.4428

■ 67.9036, 0.2926,
0.4161

■ 70.8529, 0.2971,
0.3910

■ 74.3485, 0.3021,
0.3680

■ 78.4166, 0.3074,
0.3473

Harmonies

Analogous

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



59.8219, 0.4013, 0.5492



59.8219, 0.2904, 0.5655



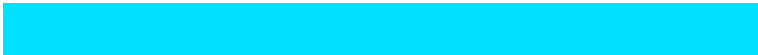
59.8219, 0.1904, 0.4516

Triad

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



59.8219, 0.2904, 0.5655



59.8219, 0.1345, 0.1601



59.8219, 0.5324, 0.3042

Complementary

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



59.8219, 0.2904, 0.5655



20.4889, 0.4107, 0.2036

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.



59.8219, 0.4236, 0.2352



59.8219, 0.2904, 0.5655



59.8219, 0.1898, 0.1568

Square

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



59.8219, 0.2904, 0.5655



59.8219, 0.1155, 0.2003



59.8219, 0.2896, 0.1829



59.8219, 0.5554, 0.3807

Rectangle

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



59.8219, 0.2904, 0.5655



59.8219, 0.1454, 0.3441



59.8219, 0.2896, 0.1829



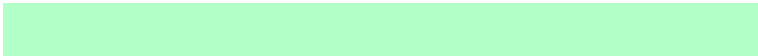
59.8219, 0.5038, 0.2802

Sweetspot

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



59.8258, 0.2904, 0.5655



85.2295, 0.2970, 0.3913



67.7912, 0.3694, 0.5449



17.9049, 0.2950, 0.4017



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.



59.8258, 0.2904, 0.5655



71.9977, 0.2906, 0.5662



62.8844, 0.2448, 0.4011



16.9328, 0.3077, 0.3463



33.3129, 0.2897, 0.5628



2.6319, 0.2821, 0.5354

Inverse Universe

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



20.4889, 0.4107, 0.2036



24.6478, 0.4112, 0.2039



17.9015, 0.6062, 0.3113



15.2362, 0.3181, 0.3123



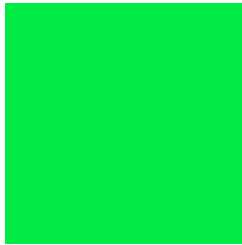
11.4254, 0.4089, 0.2026



0.9136, 0.3939, 0.1943

Previews

White Background



This preview shows how the Yxy color 59.8219, 0.2904, 0.5655 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 59.8219, 0.2904, 0.5655 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 59.8219, 0.2904, 0.5655

Background



This preview shows how black text looks on a background with the Yxy color 59.8219, 0.2904, 0.5655.

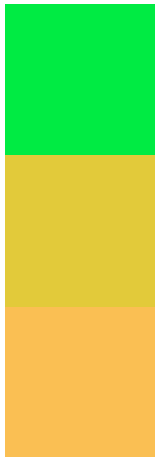


This preview shows how white text looks on a background with the Yxy color 59.8219, 0.2904, 0.5655.

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

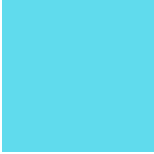
59.8219, 0.2904, 0.5655

Protanopia

58.7153, 0.4277, 0.4716

Deuteranopia

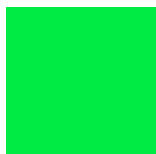
58.2101, 0.4446, 0.4341



Tritanopia

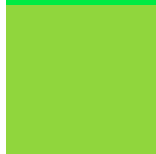
59.2643, 0.2344, 0.3057

Trichromacy



Original Color

59.8219, 0.2904, 0.5655



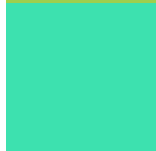
Protanomaly

54.3593, 0.3508, 0.5240



Deuteranomaly

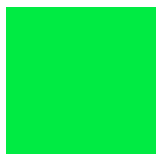
52.5324, 0.3592, 0.4973



Tritanomaly

57.9377, 0.2535, 0.4014

Monochromacy



Original Color

59.8219, 0.2904, 0.5655



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

35.4523, 0.2900, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8219, 0.2904, 0.5655 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 67) }
```

Border

The CSS property to change the border of an element to Yxy 59.8219, 0.2904, 0.5655 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, 67) }
```

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

```
.border{ border-color:rgb(0, 235, 67) }
```

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, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.8219, 0.2904, 0.5655 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, 67) }
```

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

```
.background{ background-color: rgb(0, 235,  
67) }
```

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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