

Converting Colors

$Y_{xy}(59.4749, 0.2934, 0.5762)$

Have a look what the booklet for
Yxy(59.4749, 0.2934, 0.5762)
contains.

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Color

Yxy(59.6925, 0.2933, 0.5760)

Conversions

Conversions Part 1

Format	Color
Hex	00EB37
RGB	0, 235, 55
RGB Percent	0%, 92%, 22%
CMY	1.0000, 0.0784, 0.7840
CMYK	1.00, 0.00, 0.77, 0.08
HSL	134°, 100%, 46%
HSV	134°, 100%, 92%
XYZ	30.3955, 59.6925, 13.5448
YIQ	144.2150, -82.2800, -105.8000

Conversions

Conversions Part 2

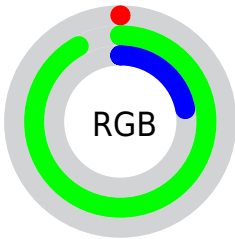
Format	Color
RYB	0, 190, 235
Decimal	60215
CIELab	81.67, -79.07, 68.56
CIELCh	82, 104.656, 139.074
Yxy	59.6925, 0.2933, 0.5760
Android (android.graphics.Color)	4278250295 (0xFF00EB37)
YUV	144.2150, -43.9830, -126.4766
Hunter-Lab	77.2609, -64.9823, 43.6884

Details

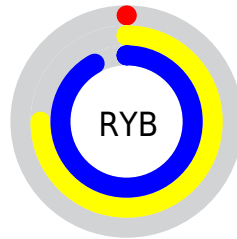
The Yxy color **59.6925, 0.2933, 0.5760** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **20.9553, 0.3920, 0.1933**, and the grayscale version is **28.1931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2456, 0.3039, 0.5080**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.6977, 0.2933, 0.5760**, and if you desaturate by 10%, it is **60.0913, 0.2906, 0.5583**.

Distribution



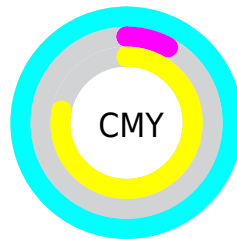
- Red (0%)
- Green (92%)
- Blue (22%)



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



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




- Cyan (100%)
- Magenta (8%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6925, 0.2933, 0.5760 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 59.6925, 0.2933, 0.5760 by changing the saturation by 10% instead.


 59.6925, 0.2933,
0.5760


 59.6925, 0.2933,
0.5760


423.4634, 0.3129,
0.4482

 43.1708, 0.2852,
0.6069


 104.3835, 0.3028,
0.5298


 30.0192, 0.2732,
0.6451


 133.3216, 0.3057,
0.5122


 19.8531, 0.2548,
0.6923

 167.1672, 0.3078,
0.4974

 12.2883, 0.2283,
0.7575

 206.3049, 0.3094,
0.4847

 6.9404, 0.1812,
0.8188

 251.1190, 0.3106,
0.4737

 3.4248, 0.0927,
0.9073

301.9938, 0.3116,

 1.3573, 0.0000,

0.4641

1.0000

359.3138, 0.3123,
0.4557

■ 0.1850, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.6925, 0.2933,
0.5760

■ 59.6925, 0.2933,
0.5760

■ 59.6977, 0.2933,
0.5760

■ 60.0913, 0.2906,
0.5583

■ 60.7820, 0.2888,
0.5356

■ 61.8474, 0.2885,
0.5092

■ 63.3347, 0.2895,
0.4805

■ 65.2838, 0.2918,
0.4512

■ 67.7300, 0.2952,
0.4225

■ 70.7050, 0.2991,
0.3956

■ 74.2378, 0.3035,
0.3709

■ 78.3555, 0.3081,
0.3487

Harmonies

Analogous

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



59.6925, 0.4064, 0.5514



59.6925, 0.2933, 0.5760



59.6925, 0.1902, 0.4634

Triad

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



59.6925, 0.2933, 0.5760



59.6925, 0.1291, 0.1570



59.6925, 0.5358, 0.2993

Complementary

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



59.6925, 0.2933, 0.5760



20.9553, 0.3920, 0.1933

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.



59.6925, 0.4206, 0.2298



59.6925, 0.2933, 0.5760



59.6925, 0.1832, 0.1525

Square

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



59.6925, 0.2933, 0.5760



59.6925, 0.1112, 0.1995



59.6925, 0.2831, 0.1777



59.6925, 0.5625, 0.3764

Rectangle

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



59.6925, 0.2933, 0.5760



59.6925, 0.1433, 0.3509



59.6925, 0.2831, 0.1777



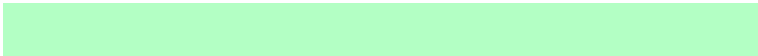
59.6925, 0.5051, 0.2751

Sweetspot

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



59.6977, 0.2933, 0.5760



85.0495, 0.2991, 0.3959



69.1450, 0.3780, 0.5381



17.8632, 0.2973, 0.4071



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.



59.6977, 0.2933, 0.5760



71.8439, 0.2935, 0.5766



62.4126, 0.2498, 0.4192



16.9200, 0.3084, 0.3475



33.2384, 0.2927, 0.5735



2.6246, 0.2854, 0.5476

Inverse Universe

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



20.9553, 0.3920, 0.1933



25.2102, 0.3924, 0.1935



18.0187, 0.5913, 0.3031



15.2499, 0.3174, 0.3111



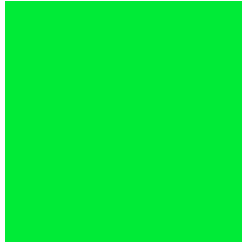
11.6824, 0.3907, 0.1926



0.9319, 0.3790, 0.1861

Previews

White Background



This preview shows how the Yxy color 59.6925, 0.2933, 0.5760 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 59.6925, 0.2933, 0.5760 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

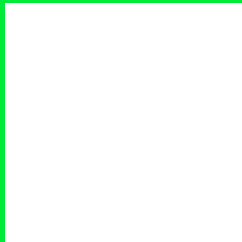
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.6925, 0.2933, 0.5760

Background



This preview shows how black text looks on a background with the Yxy color 59.6925, 0.2933, 0.5760.

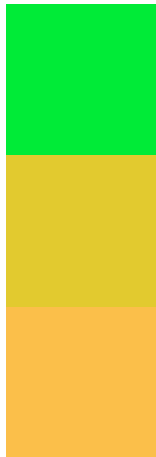


This preview shows how white text looks on a background with the Yxy color 59.6925, 0.2933, 0.5760.

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

59.6925, 0.2933, 0.5760

Protanopia

58.6150, 0.4315, 0.4772

Deuteranopia

58.2652, 0.4502, 0.4397



Tritanopia

59.3188, 0.2347, 0.3057

Trichromacy



Original Color

59.6925, 0.2933, 0.5760



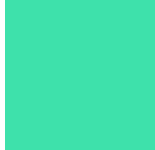
Protanomaly

54.2527, 0.3543, 0.5321



Deuteranomaly

52.5045, 0.3645, 0.5059



Tritanomaly

57.8148, 0.2556, 0.4076

Monochromacy



Original Color

59.6925, 0.2933, 0.5760



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

34.8894, 0.2927, 0.4428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6925, 0.2933, 0.5760 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 55) }
```

Border

The CSS property to change the border of an element to Yxy 59.6925, 0.2933, 0.5760 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, 55) }
```

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

```
.border{ border-color:rgb(0, 235, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 55)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.6925, 0.2933, 0.5760 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, 55) }
```

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

```
.background{ background-color: rgb(0, 235,  
55) }
```

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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