

Converting Colors

Yxy(59.2017, 0.2996, 0.5984)

Have a look what the booklet for
Yxy(59.2017, 0.2996, 0.5984)
contains.

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Color

Yxy(59.4406, 0.2996, 0.5984)

Conversions

Conversions Part 1

Format	Color
Hex	01EB08
RGB	1, 235, 8
RGB Percent	0%, 92%, 3%
CMY	0.9979, 0.0784, 0.9688
CMYK	1.00, 0.00, 0.97, 0.08
HSL	122°, 100%, 46%
HSV	122°, 100%, 92%
XYZ	29.7600, 59.4406, 10.1319
YIQ	139.1560, -66.5970, -120.2050

Conversions

Conversions Part 2

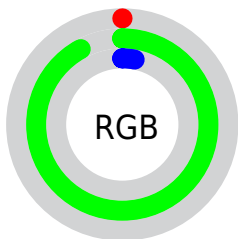
Format	Color
RYB	1, 228, 235
Decimal	125704
CIELab	81.53, -80.88, 77.53
CIELCh	82, 112.038, 136.211
Yxy	59.4406, 0.2996, 0.5984
Android (android.graphics.Color)	4278315784 (0xFF01EB08)
YUV	139.1560, -64.6599, -121.1628
Hunter-Lab	77.0977, -66.0193, 46.1767

Details

The Yxy color **59.4406, 0.2996, 0.5984** 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 **23.2552, 0.3291, 0.1587**, and the grayscale version is **26.0997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8356, 0.3129, 0.5328**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.4384, 0.2996, 0.5985**, and if you desaturate by 10%, it is **59.7143, 0.2996, 0.5898**.

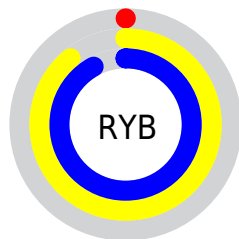
Distribution



Red (0%)

Green (92%)

Blue (3%)



Red (0%)

Yellow (89%)

Blue (92%)

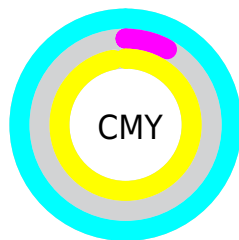


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (8%)



Cyan (100%)


Magenta (8%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4406, 0.2996, 0.5984 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 59.4406, 0.2996, 0.5984 by changing the saturation by 10% instead.


 59.4406, 0.2996,
0.5984


 59.4406, 0.2996,
0.5984

 422.5328, 0.3191,
0.4606


 42.9679, 0.2906,
0.6305


 104.0178, 0.3099,
0.5494

 29.8599, 0.2769,
0.6691


 132.8910, 0.3128,
0.5305


 19.7323, 0.2560,
0.7153


 166.6666, 0.3149,
0.5144

 12.2006, 0.2253,
0.7747

 205.7288, 0.3163,
0.5005

 6.8804, 0.1741,
0.8259

 250.4622, 0.3174,
0.4885

 3.3874, 0.0792,
0.9208

 301.2510, 0.3182,

 1.3372, 0.0000,

0.4780

1.0000

358.4798, 0.3187,
0.4688

■ 0.1697, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4406, 0.2996,
0.5984

■ 59.4406, 0.2996,
0.5984


■ 59.4384, 0.2996,
0.5985


■ 59.7143, 0.2996,
0.5898


■ 60.3009, 0.2998,
0.5729


■ 61.2884, 0.3006,
0.5480


■ 62.7314, 0.3019,
0.5170

 64.6758, 0.3036,
0.4826

 67.1621, 0.3054,
0.4473

 70.2265, 0.3074,
0.4132

 73.9021, 0.3093,
0.3817

 78.2197, 0.3111,
0.3534

Harmonies

Analogous

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



59.4406, 0.4177, 0.5541



59.4406, 0.2996, 0.5984



59.4406, 0.1902, 0.4914

Triad

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



59.4406, 0.2996, 0.5984



59.4406, 0.1175, 0.1505



59.4406, 0.5426, 0.2882

Complementary

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



59.4406, 0.2996, 0.5984



23.2552, 0.3291, 0.1587

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.



59.4406, 0.4130, 0.2179



59.4406, 0.2996, 0.5984



59.4406, 0.1689, 0.1433

Square

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



59.4406, 0.2996, 0.5984



59.4406, 0.1021, 0.1979



59.4406, 0.2682, 0.1665



59.4406, 0.5782, 0.3661

Rectangle

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



59.4406, 0.2996, 0.5984



59.4406, 0.1388, 0.3678



59.4406, 0.2682, 0.1665



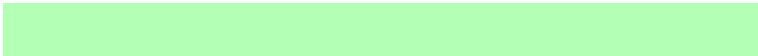
59.4406, 0.5071, 0.2636

Sweetspot

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



59.4431, 0.2996, 0.5984



84.3770, 0.3073, 0.4144



76.4292, 0.4164, 0.5075



17.7095, 0.3065, 0.4286



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.



59.4431, 0.2996, 0.5984



71.5376, 0.2996, 0.5987



60.8230, 0.2715, 0.4972



16.8699, 0.3111, 0.3526



33.0806, 0.2994, 0.5980



2.6003, 0.2979, 0.5924

Inverse Universe

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



23.2552, 0.3291, 0.1587



27.9722, 0.3291, 0.1587



18.8875, 0.5058, 0.2561



15.3051, 0.3143, 0.3065



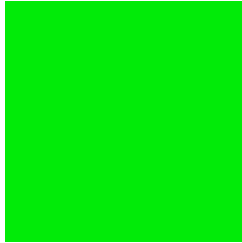
12.9381, 0.3289, 0.1586



1.0185, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 59.4406, 0.2996, 0.5984 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 59.4406, 0.2996, 0.5984 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

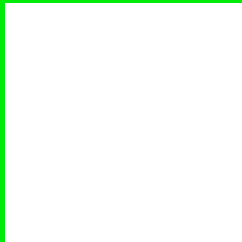
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.4406, 0.2996, 0.5984

Background



This preview shows how black text looks on a background with the Yxy color 59.4406, 0.2996, 0.5984.



This preview shows how white text looks on a background with the Yxy color 59.4406, 0.2996, 0.5984.

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

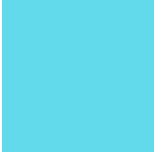
59.4406, 0.2996, 0.5984

Protanopia

57.9420, 0.4405, 0.4885

Deuteranopia

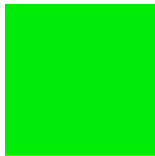
57.7614, 0.4619, 0.4510



Tritanopia

58.8516, 0.2356, 0.3057

Trichromacy



Original Color

59.4406, 0.2996, 0.5984



Protanomaly

53.5244, 0.3626, 0.5496



Deuteranomaly

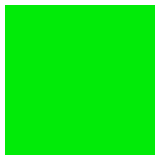
51.8410, 0.3762, 0.5260



Tritanomaly

56.6680, 0.2643, 0.4346

Monochromacy



Original Color

59.4406, 0.2996, 0.5984



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

33.1513, 0.3043, 0.4772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4406, 0.2996, 0.5984 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(1, 235, 8)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 8)  
}
```

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(1, 235, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 8) }
```

Border

The CSS property to change the border of an element to Yxy 59.4406, 0.2996, 0.5984 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(1, 235, 8) }
```

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

```
.border{ border-color:rgb(1, 235, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 235, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 235, 8); box-shadow:4px  
4px 4px 4px rgb(1, 235, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4406, 0.2996, 0.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 8) }
```

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

```
.background{ background-color: rgb(1, 235,  
8) }
```

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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