

Converting Colors

$Yxy(59.6286, 0.3080, 0.5937)$

Have a look what the booklet for
Yxy(59.6286, 0.3080, 0.5937)
contains.

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Color

Yxy(59.6299, 0.3080, 0.5936)

Conversions

Conversions Part 1

Format	Color
Hex	36EA00
RGB	54, 234, 0
RGB Percent	21%, 92%, 0%
CMY	0.7887, 0.0823, 0.9991
CMYK	0.77, 0.00, 1.00, 0.08
HSL	106°, 100%, 46%
HSV	106°, 100%, 92%
XYZ	30.9400, 59.6299, 9.8847
YIQ	153.5040, -32.1660, -110.9340

Conversions

Conversions Part 2

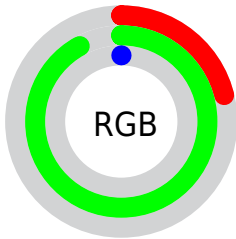
Format	Color
RYB	0, 234, 180
Decimal	3598848
CIELab	81.64, -76.90, 78.45
CIELCh	82, 109.853, 134.426
Yxy	59.6299, 0.3080, 0.5936
Android (android.graphics.Color)	4281788928 (0xFF36EA00)
YUV	153.5040, -75.6775, -87.2650
Hunter-Lab	77.2204, -63.6158, 46.4648

Details

The Yxy color **59.6299, 0.3080, 0.5936** 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 **15.6934, 0.2626, 0.1221**, and the grayscale version is **32.4315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0499, 0.3221, 0.5293**, and **31.4443, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.6270, 0.3080, 0.5937**, and if you desaturate by 10%, it is **60.2896, 0.3121, 0.5835**.

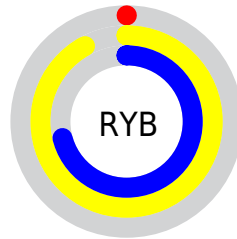
Distribution



Red (21%)

Green (92%)

Blue (0%)



Red (0%)

Yellow (92%)

Blue (71%)

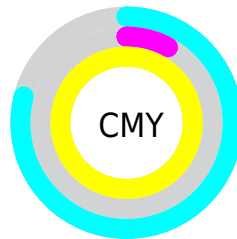


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (79%)

Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6299, 0.3080, 0.5936 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 59.6299, 0.3080, 0.5936 by changing the saturation by 10% instead.


 59.6299, 0.3080,
0.5936

 59.6299, 0.3080,
0.5936


423.2322, 0.3234,
0.4592

 43.1204, 0.2999,
0.6245

 104.2926, 0.3169,
0.5460


 29.9796, 0.2873,
0.6616

 133.2146, 0.3193,
0.5277


 19.8231, 0.2678,
0.7059


 167.0429, 0.3208,
0.5119

 12.2665, 0.2383,
0.7617

 206.1618, 0.3219,
0.4984

 6.9255, 0.1887,
0.8113

 250.9558, 0.3226,
0.4867

 3.4155, 0.1047,
0.8953

 301.8093, 0.3231,

 1.3523, 0.0000,

0.4764

1.0000

359.1066, 0.3233,
0.4673

■ 0.1812, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.6299, 0.3080,
0.5936

■ 59.6299, 0.3080,
0.5936


■ 59.6270, 0.3080,
0.5937


■ 60.2896, 0.3121,
0.5835


■ 61.2271, 0.3159,
0.5665


■ 62.4850, 0.3188,
0.5424


■ 64.0919, 0.3205,
0.5130

 66.0731, 0.3210,
0.4803

 68.4513, 0.3205,
0.4467

 71.2474, 0.3192,
0.4137

 74.4806, 0.3173,
0.3827

 78.1690, 0.3151,
0.3543

Harmonies

Analogous

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



59.6299, 0.4242, 0.5461



59.6299, 0.3080, 0.5936



59.6299, 0.1984, 0.4976

Triad

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



59.6299, 0.3080, 0.5936



59.6299, 0.1182, 0.1546



59.6299, 0.5327, 0.2850

Complementary

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



59.6299, 0.3080, 0.5936



15.6934, 0.2626, 0.1221

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.



59.6299, 0.4023, 0.2160



59.6299, 0.3080, 0.5936



59.6299, 0.1669, 0.1453

Square

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



59.6299, 0.3080, 0.5936



59.6299, 0.1049, 0.2050



59.6299, 0.2619, 0.1666



59.6299, 0.5747, 0.3621

Rectangle

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



59.6299, 0.3080, 0.5936



59.6299, 0.1454, 0.3779



59.6299, 0.2619, 0.1666



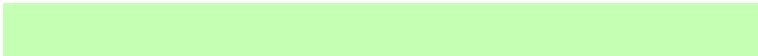
59.6299, 0.4961, 0.2608

Sweetspot

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



59.6324, 0.3080, 0.5936



86.4975, 0.3193, 0.4145



49.9200, 0.4684, 0.4662



18.1935, 0.3199, 0.4283



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.



59.6324, 0.3080, 0.5936



72.4350, 0.3077, 0.5939



59.2067, 0.2915, 0.5693



17.0289, 0.3150, 0.3531



33.5508, 0.3088, 0.5930



2.6769, 0.3181, 0.5856

Inverse Universe

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



15.6934, 0.2626, 0.1221



19.0212, 0.2623, 0.1219



20.4649, 0.4036, 0.1998



15.1294, 0.3101, 0.3055



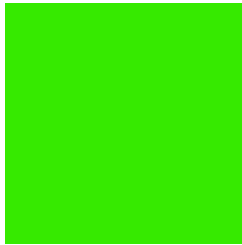
8.8709, 0.2635, 0.1225



0.7390, 0.2718, 0.1271

Previews

White Background



This preview shows how the Yxy color 59.6299, 0.3080, 0.5936 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 59.6299, 0.3080, 0.5936 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 59.6299, 0.3080, 0.5936

Background



This preview shows how black text looks on a background with the Yxy color 59.6299, 0.3080, 0.5936.



This preview shows how white text looks on a background with the Yxy color 59.6299, 0.3080, 0.5936.

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

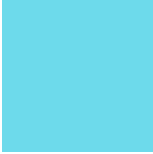
59.6299, 0.3080, 0.5936

Protanopia

58.1042, 0.4413, 0.4878

Deuteranopia

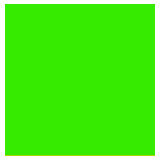
58.3745, 0.4621, 0.4517



Tritanopia

59.3922, 0.2398, 0.3071

Trichromacy



Original Color

59.6299, 0.3080, 0.5936



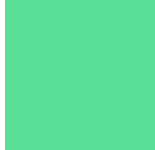
Protanomaly

55.4810, 0.3788, 0.5374



Deuteranomaly

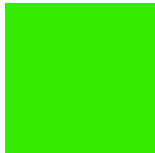
54.5537, 0.3932, 0.5152



Tritanomaly

57.6372, 0.2749, 0.4367

Monochromacy



Original Color

59.6299, 0.3080, 0.5936



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

38.1009, 0.3213, 0.4669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6299, 0.3080, 0.5936 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(54, 234, 0)` looks like.

```
.text, #text, p{  
    color:rgb(54, 234, 0)  
}
```

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(54, 234, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 234, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.6299, 0.3080, 0.5936 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(54, 234, 0) }
```

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

```
.border{ border-color:rgb(54, 234, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 234, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 234, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 234, 0);  
box-shadow:4px 4px 4px 4px rgb(54, 234, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.6299, 0.3080, 0.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 234, 0) }
```

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

```
.background{ background-color: rgb(54, 234,  
0) }
```

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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