

# Converting Colors

Yxy(57.8167, 0.3008, 0.5994)

Have a look what the booklet for  
Yxy(57.8167, 0.3008, 0.5994)  
contains.

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# Color

**Yxy(57.7844, 0.3008, 0.5994)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0BE800
RGB	11, 232, 0
RGB Percent	4%, 91%, 0%
CMY	0.9552, 0.0902, 1.0000
CMYK	0.95, 0.00, 1.00, 0.09
HSL	117°, 100%, 45%
HSV	117°, 100%, 91%
XYZ	28.9982, 57.7844, 9.6211
YIQ	139.4730, -57.2440, -119.0040

# Conversions

## Conversions Part 2

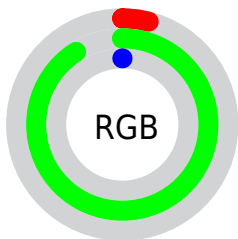
Format	Color
<a href="#">RYB</a>	<a href="#">0, 232, 221</a>
Decimal	<a href="#">780288</a>
CIELab	<a href="#">80.62, -79.86, 77.50</a>
CIELCh	<a href="#">81, 111.285, 135.858</a>
Yxy	<a href="#">57.7844, 0.3008, 0.5994</a>
Android (android.graphics.Color)	<a href="#">4278970368</a> ( <a href="#">0xFF0BE800</a> )
YUV	<a href="#">139.4730, -68.7602, -112.6708</a>
Hunter-Lab	<a href="#">76.0161, -64.9348, 45.7071</a>

# Details

The Yxy color **57.7844, 0.3008, 0.5994** 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 **21.1316, 0.3084, 0.1473**, and the grayscale version is **26.3508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8530, 0.3144, 0.5353**, and **30.2721, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.7870, 0.3008, 0.5994**, and if you desaturate by 10%, it is **58.1070, 0.3019, 0.5915**.

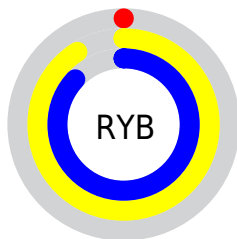
# Distribution



Red (4%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (87%)

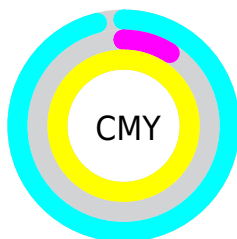


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (96%)

Magenta (9%)

Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7844, 0.3008, 0.5994 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 57.7844, 0.3008, 0.5994 by changing the saturation by 10% instead.





 57.7844, 0.3008,  
0.5994


 57.7844, 0.3008,  
0.5994


 416.3821, 0.3199,  
0.4606


 41.6353, 0.2917,  
0.6317


 101.6088, 0.3111,  
0.5500

 28.8159, 0.2778,  
0.6706


 130.0530, 0.3139,  
0.5309


 18.9416, 0.2566,  
0.7176

 163.3643, 0.3160,  
0.5147

 11.6281, 0.2245,  
0.7755

 201.9272, 0.3174,  
0.5008

 6.4910, 0.1722,  
0.8278

 246.1260, 0.3184,  
0.4887

 3.1458, 0.0654,  
0.9346

 296.3452, 0.3191,

 1.2083, 0.0000,

0.4782

1.0000

352.9691, 0.3196,  
0.4689

■ 0.0685, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.7844, 0.3008,  
0.5994

■ 57.7844, 0.3008,  
0.5994


■ 57.7870, 0.3008,  
0.5994


■ 58.1070, 0.3019,  
0.5915


■ 58.7409, 0.3034,  
0.5757


■ 59.7529, 0.3052,  
0.5516


■ 61.1894, 0.3069,  
0.5210

 63.0905, 0.3084,  
0.4865

 65.4915, 0.3097,  
0.4509

 68.4242, 0.3108,  
0.4162

 71.9178, 0.3117,  
0.3839

 75.9996, 0.3123,  
0.3547

# Harmonies

## Analogous

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



57.7844, 0.4190, 0.5535



57.7844, 0.3008, 0.5994



57.7844, 0.1909, 0.4940

# Triad

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



57.7844, 0.3008, 0.5994



57.7844, 0.1168, 0.1504



57.7844, 0.5421, 0.2871

# Complementary

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



57.7844, 0.3008, 0.5994



21.1316, 0.3084, 0.1473

# 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.



57.7844, 0.4115, 0.2169



57.7844, 0.3008, 0.5994



57.7844, 0.1677, 0.1429

# Square

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



57.7844, 0.3008, 0.5994



57.7844, 0.1017, 0.1985



57.7844, 0.2666, 0.1657



57.7844, 0.5789, 0.3650



# Rectangle

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



57.7844, 0.3008, 0.5994



57.7844, 0.1391, 0.3699



57.7844, 0.2666, 0.1657



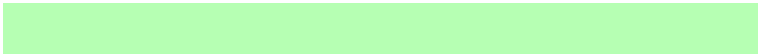
57.7844, 0.5061, 0.2626

# Sweetspot

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



57.7870, 0.3008, 0.5994



84.7321, 0.3108, 0.4167



68.5521, 0.4284, 0.4980



17.7897, 0.3104, 0.4312



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.



57.7870, 0.3008, 0.5994



71.6022, 0.3007, 0.5994



58.7206, 0.2777, 0.5197



16.1228, 0.3123, 0.3532



32.0969, 0.3011, 0.5991



2.3839, 0.3042, 0.5967



# Inverse Universe

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



21.1316, 0.3084, 0.1473



26.1756, 0.3084, 0.1472



18.7037, 0.4776, 0.2404



14.5772, 0.3130, 0.3058



11.7482, 0.3087, 0.1474

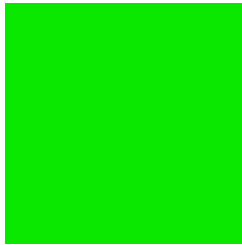


0.8793, 0.3106, 0.1484



# Previews

## White Background



This preview shows how the Yxy color 57.7844, 0.3008, 0.5994 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

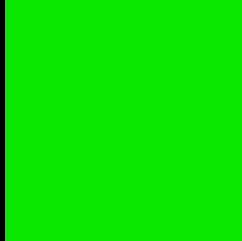
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7844, 0.3008, 0.5994 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

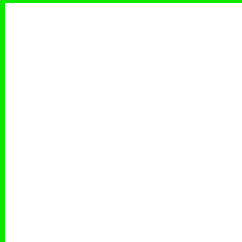
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.7844, 0.3008, 0.5994**

## Background



This preview shows how black text looks on a background with the Yxy color 57.7844, 0.3008, 0.5994.



This preview shows how white text looks on a background with the Yxy color 57.7844, 0.3008, 0.5994.

# 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

57.7844, 0.3008, 0.5994

### Protanopia

56.6941, 0.4407, 0.4883

### Deuteranopia

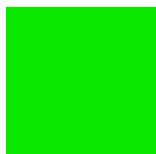
56.3365, 0.4617, 0.4514



## Tritanopia

57.5916, 0.2359, 0.3067

# Trichromacy



## Original Color

57.7844, 0.3008, 0.5994



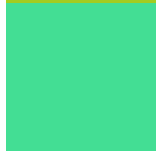
## Protanomaly

52.7916, 0.3663, 0.5474



## Deuteranomaly

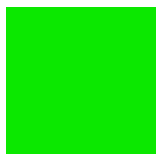
51.0765, 0.3798, 0.5249



## Tritanomaly

55.5740, 0.2674, 0.4400

# Monochromacy



## Original Color

57.7844, 0.3008, 0.5994



## Achromatopsia

26.2251, 0.3127, 0.3290



## Achromatomaly

32.9356, 0.3086, 0.4781

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7844, 0.3008, 0.5994 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(11, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(11, 232, 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(11, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 232, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7844, 0.3008, 0.5994 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(11, 232, 0) }
```

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

```
.border{ border-color:rgb(11, 232, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 232, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(11, 232, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 57.7844, 0.3008, 0.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 232, 0) }
```

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

```
.background{ background-color: rgb(11, 232,  
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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