

# Converting Colors

$Y_{xy}(57.7739, 0.2992, 0.5970)$

Have a look what the booklet for  
Yxy(57.7739, 0.2992, 0.5970)  
contains.

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**Color**

**Yxy(57.7449, 0.2992, 0.5970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E80E
RGB	0, 232, 14
RGB Percent	0%, 91%, 5%
CMY	0.9984, 0.0902, 0.9446
CMYK	1.00, 0.00, 0.94, 0.09
HSL	124°, 100%, 46%
HSV	124°, 100%, 91%
XYZ	28.9402, 57.7449, 10.0401
YIQ	137.7800, -68.2940, -116.9820

# Conversions

## Conversions Part 2

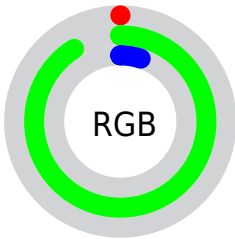
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 219, 232
Decimal	59406
CIELab	80.60, -79.99, 76.19
CIELCh	81, 110.469, 136.394
Yxy	57.7449, 0.2992, 0.5970
Android (android.graphics.Color)	4278249486 (0xFF00E80E)
YUV	137.7800, -61.0235, -120.8331
Hunter-Lab	75.9901, -65.0024, 45.3594

# Details

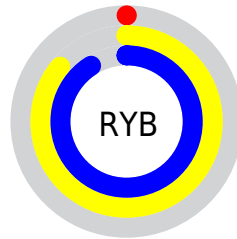
The Yxy color **57.7449, 0.2992, 0.5970** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **22.2397, 0.3366, 0.1628**, and the grayscale version is **25.6379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7860, 0.3121, 0.5321**, and **30.2721, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.7437, 0.2992, 0.5971**, and if you desaturate by 10%, it is **58.0291, 0.2988, 0.5869**.

# Distribution



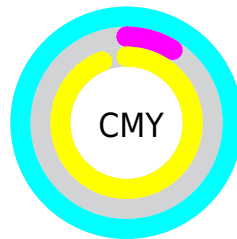
- Red (0%)
- Green (91%)
- Blue (5%)



- Red (0%)
- Yellow (86%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7449, 0.2992, 0.5970 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 57.7449, 0.2992, 0.5970 by changing the saturation by 10% instead.





 57.7449, 0.2992,  
0.5970


 57.7449, 0.2992,  
0.5970


416.2347, 0.3187,  
0.4591

 41.6036, 0.2901,  
0.6294


 101.5513, 0.3095,  
0.5477


 28.7910, 0.2764,  
0.6685


 129.9852, 0.3124,  
0.5288

 18.9228, 0.2553,  
0.7155


 163.2853, 0.3145,  
0.5127

 11.6145, 0.2239,  
0.7761

 201.8362, 0.3159,  
0.4989

 6.4818, 0.1716,  
0.8284

 246.0222, 0.3170,  
0.4869

 3.1402, 0.0640,  
0.9360

 296.2277, 0.3178,

 1.2053, 0.0000,

0.4765

1.0000

352.8371, 0.3183,  
0.4673

■ 0.0661, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.7449, 0.2992,  
0.5970

■ 57.7449, 0.2992,  
0.5970

■ 57.7437, 0.2992,  
0.5971

■ 58.0291, 0.2988,  
0.5869

■ 58.6155, 0.2986,  
0.5688

■ 59.5880, 0.2992,  
0.5432

■ 60.9981, 0.3003,  
0.5123

■ 62.8893, 0.3020,  
0.4784

■ 65.2998, 0.3040,  
0.4440

■ 68.2640, 0.3062,  
0.4108

■ 71.8134, 0.3085,  
0.3803

■ 75.9771, 0.3107,  
0.3528

# Harmonies

## Analogous

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



57.7449, 0.4169, 0.5540



57.7449, 0.2992, 0.5970



57.7449, 0.1902, 0.4895

# Triad

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



57.7449, 0.2992, 0.5970



57.7449, 0.1182, 0.1509



57.7449, 0.5422, 0.2889

# Complementary

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



57.7449, 0.2992, 0.5970



22.2397, 0.3366, 0.1628

# 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.



57.7449, 0.4136, 0.2186



57.7449, 0.2992, 0.5970



57.7449, 0.1698, 0.1439

# Square

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



57.7449, 0.2992, 0.5970



57.7449, 0.1026, 0.1980



57.7449, 0.2692, 0.1672



57.7449, 0.5772, 0.3668



# Rectangle

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



57.7449, 0.2992, 0.5970



57.7449, 0.1391, 0.3666



57.7449, 0.2692, 0.1672



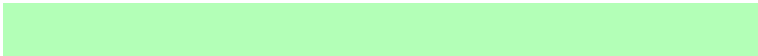
57.7449, 0.5070, 0.2643

# Sweetspot

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



57.7473, 0.2992, 0.5970



84.4648, 0.3062, 0.4119



72.9946, 0.4105, 0.5122



17.7294, 0.3052, 0.4257



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.



57.7473, 0.2992, 0.5970



71.5549, 0.2993, 0.5974



59.2679, 0.2682, 0.4855



16.1030, 0.3108, 0.3518



32.0634, 0.2989, 0.5961



2.3743, 0.2959, 0.5853



# Inverse Universe

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



22.2397, 0.3366, 0.1628



27.5436, 0.3367, 0.1628



18.1763, 0.5200, 0.2639



14.5997, 0.3147, 0.3072



12.3480, 0.3363, 0.1626

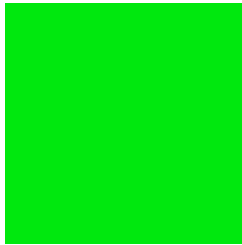


0.9170, 0.3339, 0.1613



# Previews

## White Background



This preview shows how the Yxy color 57.7449, 0.2992, 0.5970 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 57.7449, 0.2992, 0.5970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

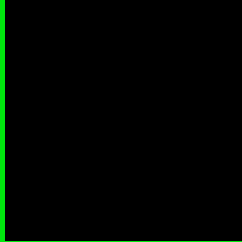
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

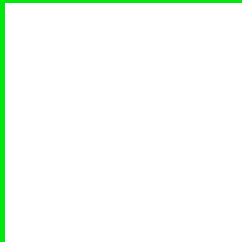
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.7449, 0.2992, 0.5970**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.7449, 0.2992, 0.5970.



This preview shows how white text looks on a background with the Yxy color 57.7449, 0.2992, 0.5970.

# 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

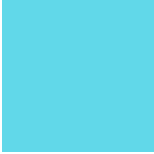
57.7449, 0.2992, 0.5970

### Protanopia

56.6941, 0.4407, 0.4883

### Deuteranopia

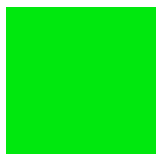
56.3541, 0.4610, 0.4504



## **Tritanopia**

57.5363, 0.2356, 0.3067

# Trichromacy



## Original Color

57.7449, 0.2992, 0.5970



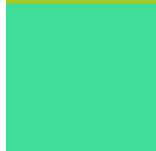
## Protanomaly

52.4391, 0.3627, 0.5489



## Deuteranomaly

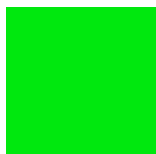
50.6966, 0.3750, 0.5246



## Tritanomaly

55.5666, 0.2635, 0.4324

# Monochromacy



## Original Color

57.7449, 0.2992, 0.5970



## Achromatopsia

25.4152, 0.3127, 0.3290



## Achromatomaly

32.3701, 0.3024, 0.4716

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7449, 0.2992, 0.5970 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, 232, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 14)  
}
```

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, 232, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 14) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7449, 0.2992, 0.5970 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, 232, 14) }
```

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

```
.border{ border-color:rgb(0, 232, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 232, 14)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 57.7449, 0.2992, 0.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 14) }
```

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

```
.background{ background-color: rgb(0, 232,  
14) }
```

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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