

# Converting Colors

Yxy(61.5938, 0.2964, 0.5870)

Have a look what the booklet for  
Yxy(61.5938, 0.2964, 0.5870)  
contains.

<b>Yxy(61.8862, 0.2964, 0.5869)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(61.8862, 0.2964, 0.5869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01EF28
RGB	1, 239, 40
RGB Percent	0%, 94%, 16%
CMY	0.9980, 0.0628, 0.8431
CMYK	1.00, 0.00, 0.83, 0.06
HSL	130°, 100%, 47%
HSV	130°, 100%, 94%
XYZ	31.2542, 61.8862, 12.3055
YIQ	145.1520, -77.9690, -112.3450

# Conversions

## Conversions Part 2

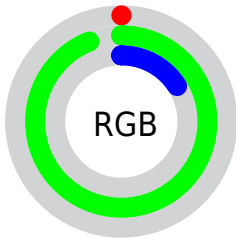
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 205, 239
Decimal	126760
CIELab	82.85, -80.98, 73.74
CIELCh	83, 109.522, 137.679
Yxy	61.8862, 0.2964, 0.5869
Android (android.graphics.Color)	4278316840 (0xFF01EF28)
YUV	145.1520, -51.8399, -126.4213
Hunter-Lab	78.6678, -66.7518, 45.7931

# Details

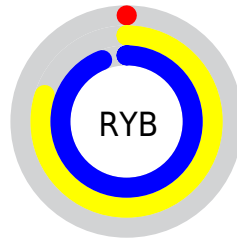
The Yxy color **61.8862, 0.2964, 0.5869** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **22.5077, 0.3685, 0.1805**, and the grayscale version is **28.5553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1643, 0.3086, 0.5185**, and **33.0477, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.8827, 0.2964, 0.5872**, and if you desaturate by 10%, it is **62.2571, 0.2944, 0.5716**.

# Distribution



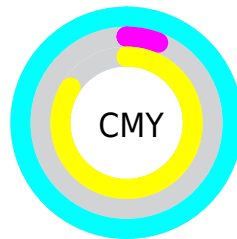
- Red (0%)
- Green (94%)
- Blue (16%)



- Red (0%)
- Yellow (80%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (6%)




- Cyan (100%)
- Magenta (6%)
- Yellow (84%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8862, 0.2964, 0.5869 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 61.8862, 0.2964, 0.5869 by changing the saturation by 10% instead.





 61.8862, 0.2964,  
0.5869


 61.8862, 0.2964,  
0.5869


 431.5159, 0.3158,  
0.4549


 44.9408, 0.2881,  
0.6181


 107.5610, 0.3061,  
0.5397

 31.4108, 0.2756,  
0.6560


 137.0592, 0.3090,  
0.5216


 20.9118, 0.2565,  
0.7019


 171.5104, 0.3111,  
0.5063

 13.0596, 0.2306,  
0.7688

 211.2991, 0.3126,  
0.4930

 7.4696, 0.1814,  
0.8186

 256.8096, 0.3138,  
0.4816

 3.7575, 0.1022,  
0.8978

 308.4263, 0.3146,

 1.5388, 0.0000,

0.4716

1.0000

366.5336, 0.3153,  
0.4628

■ 0.3158, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.8862, 0.2964,  
0.5869

■ 61.8862, 0.2964,  
0.5869


■ 61.8827, 0.2964,  
0.5872

■ 62.2571, 0.2944,  
0.5716


■ 62.9456, 0.2931,  
0.5500


■ 64.0346, 0.2929,  
0.5233


■ 65.5751, 0.2939,  
0.4932

 67.6105, 0.2959,  
0.4618

 70.1787, 0.2987,  
0.4307

 73.3141, 0.3020,  
0.4013

 77.0482, 0.3055,  
0.3743

 81.4101, 0.3092,  
0.3500

# Harmonies

## Analogous

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



61.8862, 0.4119, 0.5530



61.8862, 0.2964, 0.5869



61.8862, 0.1902, 0.4765

# Triad

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



61.8862, 0.2964, 0.5869



61.8862, 0.1235, 0.1539



61.8862, 0.5391, 0.2940

# Complementary

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



61.8862, 0.2964, 0.5869



22.5077, 0.3685, 0.1805

# 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.



61.8862, 0.4171, 0.2241



61.8862, 0.2964, 0.5869



61.8862, 0.1763, 0.1481

# Square

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



61.8862, 0.2964, 0.5869



61.8862, 0.1068, 0.1987



61.8862, 0.2760, 0.1723



61.8862, 0.5700, 0.3715



# Rectangle

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



61.8862, 0.2964, 0.5869



61.8862, 0.1411, 0.3587



61.8862, 0.2760, 0.1723



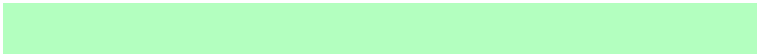
61.8862, 0.5062, 0.2696

# Sweetspot

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



61.8888, 0.2964, 0.5869



84.8134, 0.3019, 0.4022



74.4614, 0.3927, 0.5263



17.8089, 0.3004, 0.4144



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.



61.8888, 0.2964, 0.5869



71.6889, 0.2965, 0.5875



64.1197, 0.2582, 0.4496



17.6991, 0.3093, 0.3493



34.2109, 0.2959, 0.5852



2.8584, 0.2900, 0.5638



# Inverse Universe

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



22.5077, 0.3685, 0.1805



26.0517, 0.3689, 0.1806



19.0011, 0.5612, 0.2866



15.9838, 0.3163, 0.3095



12.4470, 0.3678, 0.1800

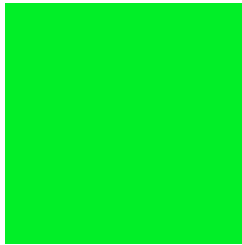


1.0473, 0.3606, 0.1760



# Previews

## White Background



This preview shows how the Yxy color 61.8862, 0.2964, 0.5869 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 61.8862, 0.2964, 0.5869 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

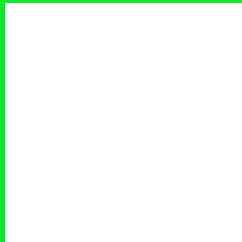
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.8862, 0.2964, 0.5869**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8862, 0.2964, 0.5869.

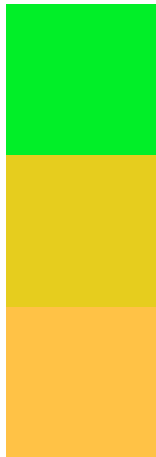


This preview shows how white text looks on a background with the Yxy color 61.8862, 0.2964, 0.5869.

# 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

61.8927, 0.2964, 0.5869

### Protanopia

60.5794, 0.4365, 0.4834

### Deuteranopia

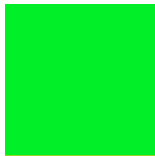
60.2858, 0.4529, 0.4429



## Tritanopia

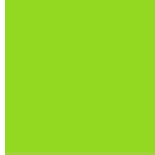
61.2431, 0.2354, 0.3060

# Trichromacy



## Original Color

61.8927, 0.2964, 0.5869



## Protanomaly

55.9442, 0.3590, 0.5409



## Deuteranomaly

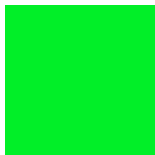
54.0903, 0.3676, 0.5134



## Tritanomaly

59.3668, 0.2589, 0.4173

# Monochromacy



## Original Color

61.8927, 0.2964, 0.5869



## Achromatopsia

28.3149, 0.3127, 0.3290



## Achromatomaly

35.5770, 0.2961, 0.4543

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8862, 0.2964, 0.5869 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, 239, 40)` looks like.

```
.text, #text, p{  
    color:rgb(1, 239, 40)  
}
```

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, 239, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 239, 40) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8862, 0.2964, 0.5869 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, 239, 40) }
```

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

```
.border{ border-color:rgb(1, 239, 40) }
```

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

Here you see how a box with a 4 pixel rgb(1, 239, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 239, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 239, 40);  
box-shadow:4px 4px 4px 4px rgb(1, 239, 40)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 61.8862, 0.2964, 0.5869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 239, 40) }
```

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

```
.background{ background-color: rgb(1, 239,  
40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor