

# Converting Colors

$Y_{xy}(72.5742, 0.3082, 0.5915)$

Have a look what the booklet for  
Yxy(72.5742, 0.3082, 0.5915)  
contains.

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**Color**

**Yxy(72.5660, 0.3082, 0.5916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EFF0A
RGB	62, 255, 10
RGB Percent	24%, 100%, 4%
CMY	0.7565, 0.0000, 0.9621
CMYK	0.76, 0.00, 0.96, 0.00
HSL	107°, 100%, 52%
HSV	107°, 96%, 100%
XYZ	37.8040, 72.5660, 12.2906
YIQ	169.3630, -36.3830, -117.1110

# Conversions

## Conversions Part 2

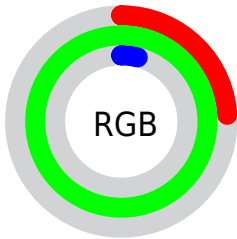
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 255, 203
Decimal	4128522
CIELab	88.24, -81.60, 83.07
CIELCh	88, 116.445, 134.491
Yxy	72.5660, 0.3082, 0.5916
Android (android.graphics.Color)	4282318602 (0xFF3EFF0A)
YUV	169.3630, -78.5660, -94.1574
Hunter-Lab	85.1857, -69.8596, 51.0756

# Details

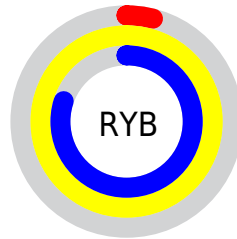
The Yxy color **72.5660, 0.3082, 0.5916** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **20.0666, 0.2684, 0.1262**, and the grayscale version is **40.2715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9217, 0.3246, 0.5199**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.3179, 0.3068, 0.5946**, and if you desaturate by 10%, it is **73.4426, 0.3122, 0.5797**.

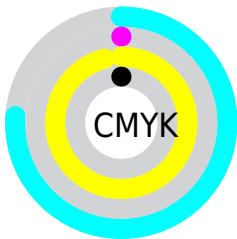
# Distribution



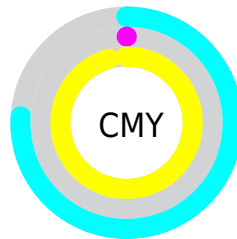
- Red (24%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (80%)



- Cyan (76%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5660, 0.3082, 0.5916 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 72.5660, 0.3082, 0.5916 by changing the saturation by 10% instead.





 72.5660, 0.3082,  
0.5916

 72.5660, 0.3082,  
0.5916


469.5093, 0.3232,  
0.4626

 53.6212, 0.3009,  
0.6203


 122.8609, 0.3165,  
0.5469


 38.2989, 0.2898,  
0.6543


 154.9797, 0.3188,  
0.5293

 26.2147, 0.2729,  
0.6944

 192.2587, 0.3204,  
0.5142

 16.9844, 0.2500,  
0.7497

 235.0822, 0.3215,  
0.5011

 10.2233, 0.2077,  
0.7923

 283.8346, 0.3223,  
0.4896

 5.5473, 0.1511,  
0.8489


 338.9003, 0.3228,


 2.5718, 0.0000,


0.4795


1.0000


400.6637, 0.3231,  
0.4706


 0.9125, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 72.5660, 0.3082,  
0.5916


 72.5660, 0.3082,  
0.5916

 72.3179, 0.3068,  
0.5946

 73.4426, 0.3122,  
0.5797


 74.6894, 0.3157,  
0.5601


 76.3500, 0.3182,  
0.5338

 78.4593, 0.3195,  
0.5027

 81.0485, 0.3198,  
0.4691

 84.1458, 0.3192,  
0.4352

 87.7770, 0.3179,  
0.4025

 91.9664, 0.3162,  
0.3721

 96.7363, 0.3141,  
0.3446

# Harmonies

## Analogous

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



72.5660, 0.4239, 0.5454



72.5660, 0.3082, 0.5916



72.5660, 0.1990, 0.4959

# Triad

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



72.5660, 0.3082, 0.5916



72.5660, 0.1191, 0.1555



72.5660, 0.5314, 0.2856

# Complementary

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



72.5660, 0.3082, 0.5916



20.0666, 0.2684, 0.1262

# 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.



72.5660, 0.4021, 0.2168



72.5660, 0.3082, 0.5916



72.5660, 0.1678, 0.1462

# Square

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



72.5660, 0.3082, 0.5916



72.5660, 0.1059, 0.2057



72.5660, 0.2626, 0.1674



72.5660, 0.5732, 0.3625



# Rectangle

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



72.5660, 0.3082, 0.5916



72.5660, 0.1463, 0.3772



72.5660, 0.2626, 0.1674



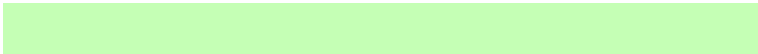
72.5660, 0.4951, 0.2614

# Sweetspot

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



72.5683, 0.3082, 0.5916



86.7087, 0.3184, 0.4114



63.4492, 0.4618, 0.4698



18.2274, 0.3189, 0.4254



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.



72.5683, 0.3082, 0.5916



72.3179, 0.3068, 0.5946



72.1495, 0.2895, 0.5600



20.3551, 0.3148, 0.3533



37.8395, 0.3076, 0.5940



3.7290, 0.3147, 0.5883



# Inverse Universe

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



20.0666, 0.2684, 0.1262



19.5695, 0.2663, 0.1241



24.9933, 0.4061, 0.2024



18.0930, 0.3104, 0.3053



10.2929, 0.2672, 0.1246

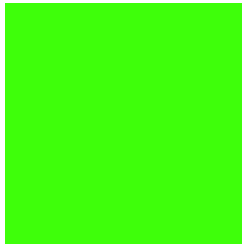


1.0487, 0.2736, 0.1281



# Previews

## White Background



This preview shows how the Yxy color 72.5660, 0.3082, 0.5916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

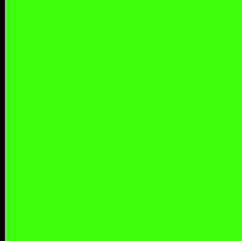
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5660, 0.3082, 0.5916 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 72.5660, 0.3082, 0.5916**

## Background



This preview shows how black text looks on a background with the Yxy color 72.5660, 0.3082, 0.5916.

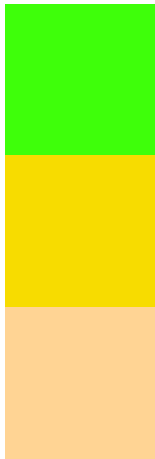


This preview shows how white text looks on a background with the Yxy color 72.5660, 0.3082, 0.5916.

# 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

72.5660, 0.3082, 0.5916

### Protanopia

70.9606, 0.4403, 0.4886

### Deuteranopia

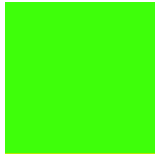
70.4851, 0.3928, 0.3948



## Tritanopia

71.6465, 0.2424, 0.3065

# Trichromacy



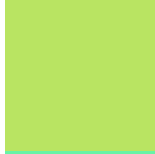
## Original Color

72.5660, 0.3082, 0.5916



## Protanomaly

67.9899, 0.3788, 0.5367



## Deuteranomaly

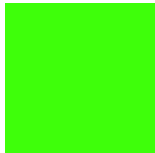
66.6829, 0.3609, 0.4817



## Tritanomaly

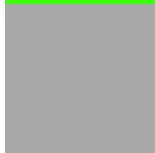
69.7379, 0.2758, 0.4319

# Monochromacy



## Original Color

72.5660, 0.3082, 0.5916



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

47.2021, 0.3198, 0.4612

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5660, 0.3082, 0.5916 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(62, 255, 10)` looks like.

```
.text, #text, p{  
    color:rgb(62, 255, 10)  
}
```

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(62, 255, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 255, 10) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5660, 0.3082, 0.5916 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(62, 255, 10) }
```

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

```
.border{ border-color:rgb(62, 255, 10) }
```

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

Here you see how a box with a 4 pixel rgb(62, 255, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 255, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 255, 10);  
box-shadow:4px 4px 4px 4px rgb(62, 255,  
10) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5660, 0.3082, 0.5916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 255, 10) }
```

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

```
.background{ background-color: rgb(62, 255,  
10) }
```

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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