

# Converting Colors

Yxy(64.8841, 0.3116, 0.5908)

Have a look what the booklet for  
Yxy(64.8841, 0.3116, 0.5908)  
contains.

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# Color

**Yxy(64.7332, 0.3116, 0.5908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44F200
RGB	68, 242, 0
RGB Percent	27%, 95%, 0%
CMY	0.7329, 0.0510, 1.0000
CMYK	0.72, 0.00, 1.00, 0.05
HSL	103°, 100%, 47%
HSV	103°, 100%, 95%
XYZ	34.1416, 64.7332, 10.6939
YIQ	162.3860, -26.0220, -112.1500

# Conversions

## Conversions Part 2

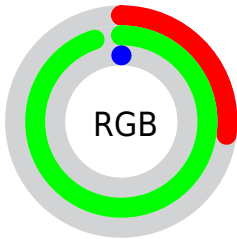
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 242, 174
Decimal	4518400
CIELab	84.35, -77.10, 80.73
CIELCh	84, 111.634, 133.680
Yxy	64.7332, 0.3116, 0.5908
Android (android.graphics.Color)	4282708480 (0xFF44F200)
YUV	162.3860, -80.0563, -82.7765
Hunter-Lab	80.4569, -65.0538, 48.4394

# Details

The Yxy color **64.7332, 0.3116, 0.5908** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **15.3963, 0.2496, 0.1148**, and the grayscale version is **36.7307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9209, 0.3268, 0.5241**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.7359, 0.3116, 0.5908**, and if you desaturate by 10%, it is **65.5246, 0.3164, 0.5805**.

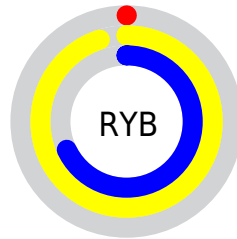
# Distribution



Red (27%)

Green (95%)

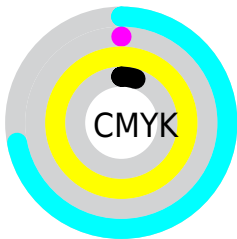
Blue (0%)



Red (0%)

Yellow (95%)

Blue (68%)

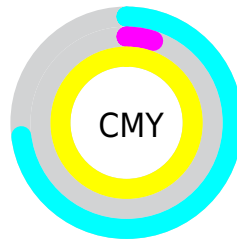


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (73%)

Magenta (5%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7332, 0.3116, 0.5908 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 64.7332, 0.3116, 0.5908 by changing the saturation by 10% instead.




 64.7332, 0.3116,  
0.5908


 64.7332, 0.3116,  
0.5908


441.8326, 0.3252,  
0.4601


 47.2448, 0.3042,  
0.6203


 111.6662, 0.3197,  
0.5450

 33.2292, 0.2927,  
0.6555


 141.8796, 0.3218,  
0.5272


 22.3021, 0.2747,  
0.6970


 177.1033, 0.3232,  
0.5119

 14.0790, 0.2487,  
0.7513

 217.7220, 0.3241,  
0.4986

 8.1757, 0.2030,  
0.7970

 264.1198, 0.3247,  
0.4871

 4.2076, 0.1391,  
0.8609

 316.6813, 0.3250,

 1.7903, 0.0000,

0.4770

1.0000

375.7907, 0.3252,  
0.4680

■ 0.4811, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.7332, 0.3116,  
0.5908

■ 64.7332, 0.3116,  
0.5908

■ 64.7359, 0.3116,  
0.5908

■ 65.5246, 0.3164,  
0.5805


■ 66.5967, 0.3205,  
0.5636

■ 67.9917, 0.3234,  
0.5399


■ 69.7371, 0.3249,  
0.5111

 71.8574, 0.3249,  
0.4791

 74.3744, 0.3238,  
0.4460

 77.3081, 0.3217,  
0.4136

 80.6772, 0.3190,  
0.3828

 84.4992, 0.3160,  
0.3545

# Harmonies

## Analogous

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



64.7332, 0.4268, 0.5425



64.7332, 0.3116, 0.5908



64.7332, 0.2021, 0.4995

# Triad

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



64.7332, 0.3116, 0.5908



64.7332, 0.1188, 0.1567



64.7332, 0.5280, 0.2839

# Complementary

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



64.7332, 0.3116, 0.5908



15.3963, 0.2496, 0.1148

# 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.



64.7332, 0.3978, 0.2155



64.7332, 0.3116, 0.5908



64.7332, 0.1664, 0.1465

# Square

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



64.7332, 0.3116, 0.5908



64.7332, 0.1065, 0.2083



64.7332, 0.2596, 0.1670



64.7332, 0.5726, 0.3605



# Rectangle

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



64.7332, 0.3116, 0.5908



64.7332, 0.1485, 0.3819



64.7332, 0.2596, 0.1670



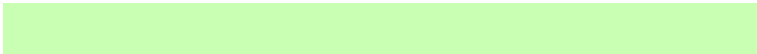
64.7332, 0.4911, 0.2598

# Sweetspot

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



64.7359, 0.3116, 0.5908



87.0382, 0.3218, 0.4138



48.9299, 0.4813, 0.4560



18.3186, 0.3227, 0.4274



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.



64.7359, 0.3116, 0.5908



72.8889, 0.3114, 0.5909



63.7548, 0.2943, 0.5794



17.8717, 0.3158, 0.3531



34.8365, 0.3126, 0.5900



2.9464, 0.3221, 0.5825



# Inverse Universe

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



15.3963, 0.2496, 0.1148



17.3154, 0.2494, 0.1147



22.5756, 0.3859, 0.1900



15.7949, 0.3093, 0.3054



8.3434, 0.2507, 0.1155

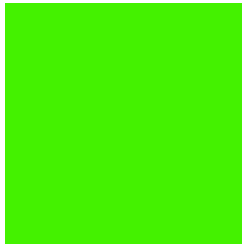


0.7439, 0.2603, 0.1207



# Previews

## White Background



This preview shows how the Yxy color 64.7332, 0.3116, 0.5908 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 64.7332, 0.3116, 0.5908 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

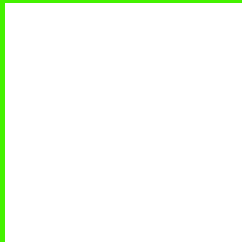
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.7332, 0.3116, 0.5908**

## Background



This preview shows how black text looks on a background with the Yxy color 64.7332, 0.3116, 0.5908.



This preview shows how white text looks on a background with the Yxy color 64.7332, 0.3116, 0.5908.

# 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

64.7332, 0.3116, 0.5908

### Protanopia

63.2631, 0.4405, 0.4884

### Deuteranopia

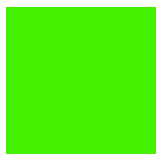
62.9699, 0.4345, 0.4287



## Tritanopia

64.2434, 0.2421, 0.3067

# Trichromacy



## Original Color

64.7332, 0.3116, 0.5908



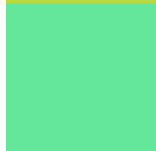
## Protanomaly

60.7116, 0.3817, 0.5351



## Deuteranomaly

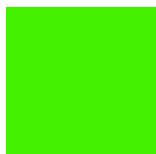
59.5135, 0.3843, 0.5009



## Tritanomaly

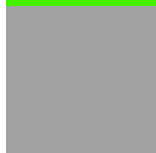
62.2277, 0.2781, 0.4355

# Monochromacy



## Original Color

64.7332, 0.3116, 0.5908



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

42.8301, 0.3247, 0.4639

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7332, 0.3116, 0.5908 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(68, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 242, 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(68, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 242, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7332, 0.3116, 0.5908 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(68, 242, 0) }
```

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

```
.border{ border-color:rgb(68, 242, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 242, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 64.7332, 0.3116, 0.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 242, 0) }
```

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

```
.background{ background-color: rgb(68, 242,  
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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