

# Converting Colors

Yxy(48.2416, 0.3167, 0.5868)

Have a look what the booklet for  
Yxy(48.2416, 0.3167, 0.5868)  
contains.

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**Color**

**Yxy(48.4266, 0.3167, 0.5867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47D400
RGB	71, 212, 0
RGB Percent	28%, 83%, 0%
CMY	0.7217, 0.1686, 0.9994
CMYK	0.67, 0.00, 1.00, 0.17
HSL	100°, 100%, 42%
HSV	100°, 100%, 83%
XYZ	26.1406, 48.4266, 7.9734
YIQ	145.6730, -15.9840, -95.8240

# Conversions

## Conversions Part 2

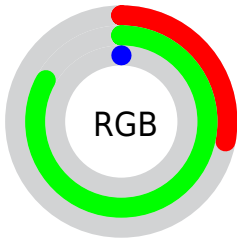
Format	Color
<b>RYB</b>	0, 212, 141
Decimal	4707328
CIELab	75.09, -67.48, 73.38
CIELCh	75, 99.695, 132.602
Yxy	48.4266, 0.3167, 0.5867
Android (android.graphics.Color)	4282897408 (0xFF47D400)
YUV	145.6730, -71.8168, -65.4882
Hunter-Lab	69.5892, -54.7291, 41.9191

# Details

The Yxy color **48.4266, 0.3167, 0.5867** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **10.4381, 0.2375, 0.1082**, and the grayscale version is **28.9127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5478, 0.3275, 0.5312**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.4242, 0.3167, 0.5868**, and if you desaturate by 10%, it is **49.0805, 0.3218, 0.5756**.

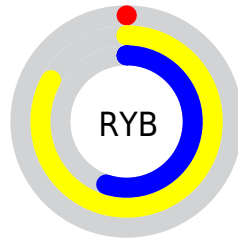
# Distribution



Red (28%)

Green (83%)

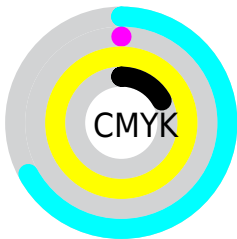
Blue (0%)



Red (0%)

Yellow (83%)

Blue (55%)

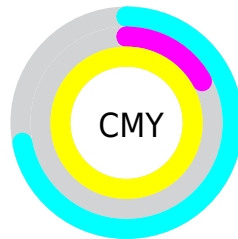


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (72%)

Magenta (17%)


Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4266, 0.3167, 0.5867 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 48.4266, 0.3167, 0.5867 by changing the saturation by 10% instead.





 48.4266, 0.3167,  
0.5867


 48.4266, 0.3167,  
0.5867

 380.4806, 0.3276,  
0.4521


 34.1648, 0.3090,  
0.6187


 87.8392, 0.3243,  
0.5382


 23.0203, 0.2963,  
0.6574


 113.7589, 0.3260,  
0.5196


 14.6085, 0.2769,  
0.7083


 144.3333, 0.3271,  
0.5039

 8.5451, 0.2408,  
0.7592

 179.9469, 0.3276,  
0.4905

 4.4457, 0.1840,  
0.8160

 220.9840, 0.3278,  
0.4789

 1.9259, 0.0000,  
1.0000

 267.8291, 0.3279,

 0.5638, 0.0000,

0.4688

1.0000

320.8665, 0.3278,  
0.4599

■ 0.0000, 0.0000,  
0.0000

■ 48.4266, 0.3167,  
0.5867

■ 48.4266, 0.3167,  
0.5867

■ 48.4242, 0.3167,  
0.5868

■ 49.0805, 0.3218,  
0.5756

■ 49.9249, 0.3259,  
0.5584

■ 50.9888, 0.3285,  
0.5350

■ 52.2900, 0.3295,  
0.5068

■ 53.8442, 0.3289,  
0.4757

■ 55.6654, 0.3271,  
0.4436

■ 57.7665, 0.3242,  
0.4119

■ 60.1596, 0.3207,  
0.3819

■ 62.8559, 0.3168,  
0.3541

# Harmonies

## Analogous

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



48.4266, 0.4304, 0.5373



48.4266, 0.3167, 0.5867



48.4266, 0.2075, 0.5019

# Triad

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



48.4266, 0.3167, 0.5867



48.4266, 0.1198, 0.1598



48.4266, 0.5212, 0.2823

# Complementary

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



48.4266, 0.3167, 0.5867



10.4381, 0.2375, 0.1082

# 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.



48.4266, 0.3914, 0.2148



48.4266, 0.3167, 0.5867



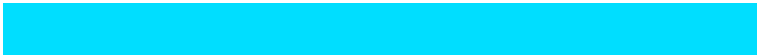
48.4266, 0.1657, 0.1483

# Square

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



48.4266, 0.3167, 0.5867



48.4266, 0.1089, 0.2131



48.4266, 0.2563, 0.1675



48.4266, 0.5694, 0.3583

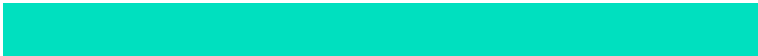


# Rectangle

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



48.4266, 0.3167, 0.5867



48.4266, 0.1531, 0.3875



48.4266, 0.2563, 0.1675



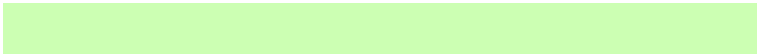
48.4266, 0.4839, 0.2584

# Sweetspot

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



48.4286, 0.3167, 0.5867



87.6013, 0.3243, 0.4131



32.1354, 0.4985, 0.4423



18.4495, 0.3256, 0.4265



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.



48.4286, 0.3167, 0.5867



73.4618, 0.3160, 0.5873



47.1951, 0.2968, 0.5883



14.0956, 0.3166, 0.3527



29.9420, 0.3176, 0.5860



1.8506, 0.3312, 0.5752



# Inverse Universe

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



10.4381, 0.2375, 0.1082



15.7411, 0.2366, 0.1077



17.3062, 0.3632, 0.1775



12.4152, 0.3085, 0.3056



6.4952, 0.2386, 0.1088

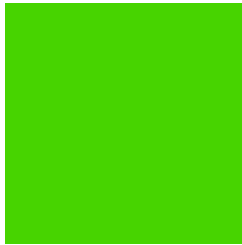


0.4362, 0.2531, 0.1168



# Previews

## White Background



This preview shows how the Yxy color 48.4266, 0.3167, 0.5867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

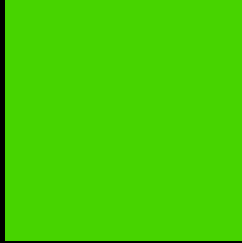
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4266, 0.3167, 0.5867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

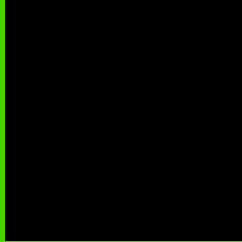
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

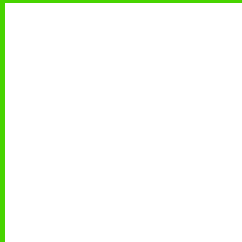
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.4266, 0.3167, 0.5867**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4266, 0.3167, 0.5867.



This preview shows how white text looks on a background with the Yxy color 48.4266, 0.3167, 0.5867.

# 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

48.4266, 0.3167, 0.5867

### Protanopia

47.5464, 0.4405, 0.4885

### Deuteranopia

47.4505, 0.4621, 0.4515



## Tritanopia

48.0516, 0.2452, 0.3067

# Trichromacy



## Original Color

48.4266, 0.3167, 0.5867



## Protanomaly

45.8527, 0.3868, 0.5311



## Deuteranomaly

44.9394, 0.4011, 0.5087



## Tritanomaly

46.5054, 0.2825, 0.4324

# Monochromacy



## Original Color

48.4266, 0.3167, 0.5867



## Achromatopsia

28.7441, 0.3127, 0.3290



## Achromatomaly

33.4617, 0.3283, 0.4586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4266, 0.3167, 0.5867 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(71, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 212, 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(71, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 212, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4266, 0.3167, 0.5867 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(71, 212, 0) }
```

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

```
.border{ border-color:rgb(71, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(71, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 212, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 48.4266, 0.3167, 0.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 212, 0) }
```

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

```
.background{ background-color: rgb(71, 212,  
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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