

# Converting Colors

Yxy(48.5430, 0.3199, 0.5842)

Have a look what the booklet for  
Yxy(48.5430, 0.3199, 0.5842)  
contains.

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**Color**

**Yxy(48.7067, 0.3200, 0.5841)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4ED400
RGB	78, 212, 0
RGB Percent	31%, 83%, 0%
CMY	0.6942, 0.1686, 0.9996
CMYK	0.63, 0.00, 1.00, 0.17
HSL	98°, 100%, 42%
HSV	98°, 100%, 83%
XYZ	26.6840, 48.7067, 7.9969
YIQ	147.7660, -11.8120, -94.3400

# Conversions

## Conversions Part 2

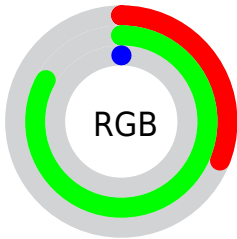
Format	Color
<a href="#">RYB</a>	<a href="#">0, 212, 134</a>
Decimal	<a href="#">5166080</a>
CIELab	<a href="#">75.27, -66.00, 73.60</a>
CIELCh	<a href="#">75, 98.862, 131.883</a>
Yxy	<a href="#">48.7067, 0.3200, 0.5841</a>
Android (android.graphics.Color)	<a href="#">4283356160 (0xFF4ED400)</a>
YUV	<a href="#">147.7660, -72.8486, -61.1848</a>
Hunter-Lab	<a href="#">69.7902, -53.8840, 42.0594</a>

# Details

The Yxy color **48.7067, 0.3200, 0.5841** 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 **9.8345, 0.2297, 0.1039**, and the grayscale version is **29.8273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9997, 0.3299, 0.5286**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.7061, 0.3200, 0.5841**, and if you desaturate by 10%, it is **49.3889, 0.3252, 0.5729**.

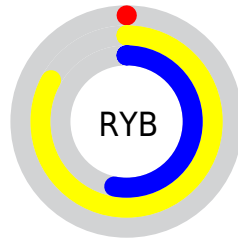
# Distribution



Red (31%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (53%)

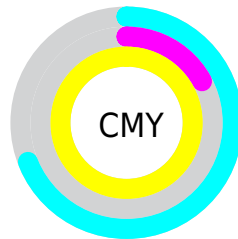


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (69%)

Magenta (17%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7067, 0.3200, 0.5841 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 48.7067, 0.3200, 0.5841 by changing the saturation by 10% instead.





 48.7067, 0.3200,  
0.5841


 48.7067, 0.3200,  
0.5841

381.5865, 0.3292,  
0.4513


 34.3869, 0.3128,  
0.6156


 88.2557, 0.3269,  
0.5363


 23.1910, 0.3006,  
0.6535


 114.2536, 0.3284,  
0.5181

 14.7346, 0.2820,  
0.7031


 144.9131, 0.3293,  
0.5026

 8.6333, 0.2469,  
0.7531

 180.6184, 0.3296,  
0.4893

 4.5028, 0.1913,  
0.8087

 221.7540, 0.3297,  
0.4778

 1.9586, 0.0000,  
1.0000

 268.7043, 0.3297,

 0.5833, 0.0000,

0.4678

1.0000

321.8537, 0.3294,  
0.4591

■ 0.0000, 0.0000,  
0.0000

■ 48.7067, 0.3200,  
0.5841

■ 48.7067, 0.3200,  
0.5841

■ 48.7061, 0.3200,  
0.5841

■ 49.3889, 0.3252,  
0.5729

■ 50.2514, 0.3294,  
0.5559

■ 51.3223, 0.3318,  
0.5329

■ 52.6183, 0.3325,  
0.5052

■ 54.1541, 0.3315,  
0.4746

■ 55.9427, 0.3292,  
0.4429

■ 57.9962, 0.3258,  
0.4116

■ 60.3258, 0.3217,  
0.3818

■ 62.9422, 0.3173,  
0.3541

# Harmonies

## Analogous

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



48.7067, 0.4328, 0.5340



48.7067, 0.3200, 0.5841



48.7067, 0.2110, 0.5034

# Triad

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



48.7067, 0.3200, 0.5841



48.7067, 0.1205, 0.1618



48.7067, 0.5168, 0.2812

# Complementary

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



48.7067, 0.3200, 0.5841



9.8345, 0.2297, 0.1039

# 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.



48.7067, 0.3872, 0.2143



48.7067, 0.3200, 0.5841



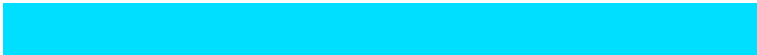
48.7067, 0.1653, 0.1495

# Square

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



48.7067, 0.3200, 0.5841



48.7067, 0.1104, 0.2162



48.7067, 0.2541, 0.1679



48.7067, 0.5672, 0.3568

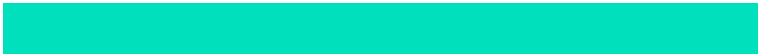


# Rectangle

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



48.7067, 0.3200, 0.5841



48.7067, 0.1561, 0.3911



48.7067, 0.2541, 0.1679



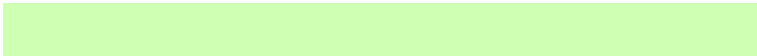
48.7067, 0.4793, 0.2574

# Sweetspot

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



48.7088, 0.3200, 0.5841



87.9644, 0.3259, 0.4127



30.1698, 0.5079, 0.4349



18.5342, 0.3275, 0.4259



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.



48.7088, 0.3200, 0.5841



73.8846, 0.3193, 0.5847



47.1600, 0.2978, 0.5922



14.1159, 0.3171, 0.3527



30.1190, 0.3210, 0.5834



1.8629, 0.3347, 0.5724



# Inverse Universe

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



9.8345, 0.2297, 0.1039



14.8268, 0.2288, 0.1034



17.6000, 0.3530, 0.1718



12.3940, 0.3080, 0.3056



6.1266, 0.2309, 0.1046

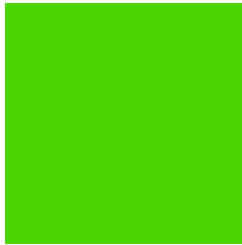


0.4158, 0.2466, 0.1132



# Previews

## White Background



This preview shows how the Yxy color 48.7067, 0.3200, 0.5841 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

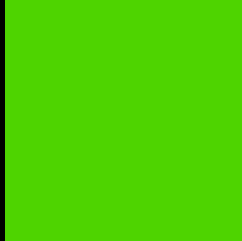
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7067, 0.3200, 0.5841 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

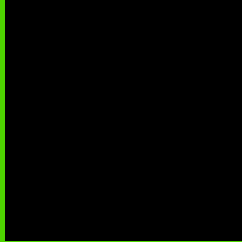
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

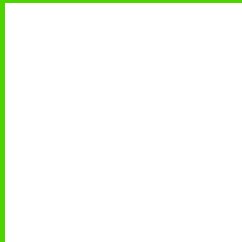
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.7067, 0.3200, 0.5841**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7067, 0.3200, 0.5841.



This preview shows how white text looks on a background with the Yxy color 48.7067, 0.3200, 0.5841.

# 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

48.7067, 0.3200, 0.5841

### Protanopia

47.5464, 0.4405, 0.4885

### Deuteranopia

47.4505, 0.4621, 0.4515



## Tritanopia

48.3814, 0.2477, 0.3069

# Trichromacy



## Original Color

48.7067, 0.3200, 0.5841



## Protanomaly

46.0572, 0.3886, 0.5297



## Deuteranomaly

45.1691, 0.4030, 0.5073



## Tritanomaly

46.8434, 0.2859, 0.4314

# Monochromacy



## Original Color

48.7067, 0.3200, 0.5841



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

34.1449, 0.3310, 0.4567

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7067, 0.3200, 0.5841 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(78, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 212, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7067, 0.3200, 0.5841 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(78, 212, 0) }
```

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

```
.border{ border-color:rgb(78, 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(78, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(78, 212, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 48.7067, 0.3200, 0.5841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 212, 0) }
```

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

```
.background{ background-color: rgb(78, 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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