

# Converting Colors

$Yxy(48.8941, 0.3424, 0.5596)$

Have a look what the booklet for  
Yxy(48.8941, 0.3424, 0.5596)  
contains.

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**Color**

**Yxy(48.8789, 0.3423, 0.5596)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	74D015
RGB	116, 208, 21
RGB Percent	45%, 82%, 8%
CMY	0.5449, 0.1843, 0.9176
CMYK	0.44, 0.00, 0.90, 0.18
HSL	90°, 82%, 45%
HSV	90°, 90%, 82%
XYZ	29.8986, 48.8789, 8.5687
YIQ	159.1740, 5.1950, -77.6610

# Conversions

## Conversions Part 2

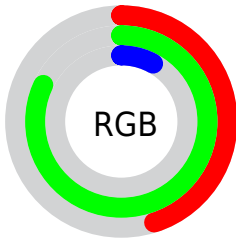
Format	Color
R <sub>Y</sub> B	21, 208, 113
Decimal	7655445
CIE Lab	75.38, -53.81, 71.84
CIE LCh	75, 89.759, 126.837
Yxy	48.8789, 0.3423, 0.5596
Android (android.graphics.Color)	4285845525 (0xFF74D015)
YUV	159.1740, -68.1198, -37.8636
Hunter-Lab	69.9134, -46.0128, 41.6728

# Details

The Yxy color **48.8789, 0.3423, 0.5596** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **8.6000, 0.2112, 0.0984**, and the grayscale version is **35.0784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3721, 0.3474, 0.5114**, and **23.5393, 0.3194, 0.5846** is the 20% darker color. If you saturate the color by 10%, you get **48.1641, 0.3372, 0.5704**, and if you desaturate by 10%, it is **49.7331, 0.3457, 0.5438**.

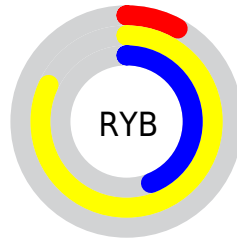
# Distribution



Red (45%)

Green (82%)

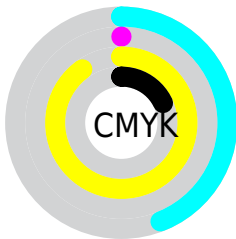
Blue (8%)



Red (8%)

Yellow (82%)

Blue (44%)

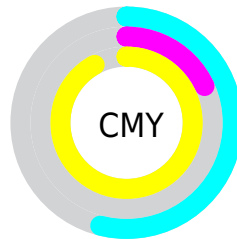


Cyan (44%)

Magenta (0%)

Yellow (90%)

Black (18%)



Cyan (54%)

Magenta (18%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8789, 0.3423, 0.5596 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 48.8789, 0.3423, 0.5596 by changing the saturation by 10% instead.





 48.8789, 0.3423,  
0.5596


 48.8789, 0.3423,  
0.5596

382.2654, 0.3388,  
0.4415

 34.5234, 0.3386,  
0.5871


 88.5116, 0.3443,  
0.5175

 23.2960, 0.3311,  
0.6202


 114.5575, 0.3441,  
0.5013


 14.8122, 0.3180,  
0.6620


 145.2692, 0.3434,  
0.4875

 8.6877, 0.2919,  
0.7081

 181.0308, 0.3426,  
0.4757

 4.5380, 0.2445,  
0.7555

 222.2268, 0.3417,  
0.4654

 1.9789, 0.1333,  
0.8667

 269.2417, 0.3407,


 0.5951, 0.0000,


0.4564


1.0000


322.4597, 0.3398,  
0.4485


 0.0000, 0.0000,  
0.0000

 48.8789, 0.3423,  
0.5596


 48.8789, 0.3423,  
0.5596


 48.1641, 0.3372,  
0.5704


 49.7331, 0.3457,  
0.5438

 48.1569, 0.3372,  
0.5705

 50.7419, 0.3469,  
0.5226

 51.9201, 0.3459,  
0.4972

 53.2789, 0.3429,  
0.4689

 54.8282, 0.3383,  
0.4392

■ 56.5769, 0.3327,  
0.4095

■ 58.5335, 0.3262,  
0.3808

■ 60.7057, 0.3195,  
0.3537

■ 63.1009, 0.3126,  
0.3287

# Harmonies

## Analogous

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



48.8789, 0.4455, 0.5091



48.8789, 0.3423, 0.5596



48.8789, 0.2373, 0.5055

# Triad

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



48.8789, 0.3423, 0.5596



48.8789, 0.1287, 0.1795



48.8789, 0.4822, 0.2751

# Complementary

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



48.8789, 0.3423, 0.5596



8.6000, 0.2112, 0.0984

# 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.



48.8789, 0.3594, 0.2137



48.8789, 0.3423, 0.5596



48.8789, 0.1659, 0.1611

# Square

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



48.8789, 0.3423, 0.5596



48.8789, 0.1252, 0.2410



48.8789, 0.2425, 0.1737



48.8789, 0.5452, 0.3470



# Rectangle

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



48.8789, 0.3423, 0.5596



48.8789, 0.1805, 0.4120



48.8789, 0.2425, 0.1737



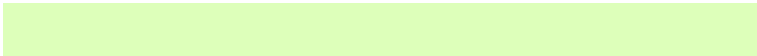
48.8789, 0.4448, 0.2530

# Sweetspot

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



48.8810, 0.3423, 0.5596



90.4659, 0.3311, 0.4020



24.9189, 0.5257, 0.4110



19.1443, 0.3332, 0.4121



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.



48.8810, 0.3423, 0.5596



76.2341, 0.3364, 0.5711



45.3606, 0.3009, 0.5915



13.4973, 0.3192, 0.3525



30.0726, 0.3382, 0.5697



1.7286, 0.3521, 0.5586



# Inverse Universe

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



8.6000, 0.2112, 0.0984



11.6103, 0.1988, 0.0869



18.0534, 0.3170, 0.1555



11.6990, 0.3058, 0.3055



4.6667, 0.2014, 0.0883



0.3081, 0.2216, 0.0995



# Previews

## White Background



This preview shows how the Yxy color 48.8789, 0.3423, 0.5596 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 48.8789, 0.3423, 0.5596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

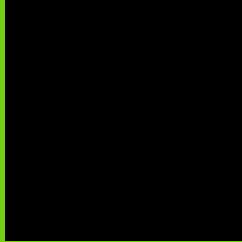
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.8789, 0.3423, 0.5596**

## Background



This preview shows how black text looks on a background with the Yxy color 48.8789, 0.3423, 0.5596.



This preview shows how white text looks on a background with the Yxy color 48.8789, 0.3423, 0.5596.

# 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

48.8789, 0.3423, 0.5596

### Protanopia

48.1297, 0.4393, 0.4870

### Deuteranopia

48.0130, 0.4616, 0.4513



## **Tritanopia**

48.4061, 0.2640, 0.3075

# Trichromacy



## Original Color

48.8789, 0.3423, 0.5596



## Protanomaly

47.2856, 0.4016, 0.5156



## Deuteranomaly

46.6214, 0.4157, 0.4926



## Tritanomaly

47.2168, 0.3022, 0.4134

# Monochromacy



## Original Color

48.8789, 0.3423, 0.5596



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

38.3880, 0.3368, 0.4337

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8789, 0.3423, 0.5596 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(116, 208, 21)` looks like.

```
.text, #text, p{  
    color:rgb(116, 208, 21)  
}
```

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(116, 208, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 208, 21) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8789, 0.3423, 0.5596 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(116, 208, 21) }
```

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

```
.border{ border-color:rgb(116, 208, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 208, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 208, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 208, 21);  
box-shadow:4px 4px 4px 4px rgb(116, 208,  
21) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8789, 0.3423, 0.5596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 208, 21) }
```

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

```
.background{ background-color: rgb(116,  
208, 21) }
```

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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