

# Converting Colors

Yxy(43.9385, 0.4378, 0.4868)

Have a look what the booklet for  
Yxy(43.9385, 0.4378, 0.4868)  
contains.

<b>Yxy(44.0146, 0.4376, 0.4869)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(44.0146, 0.4376, 0.4869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7B20E
RGB	199, 178, 14
RGB Percent	78%, 70%, 5%
CMY	0.2195, 0.3020, 0.9452
CMYK	0.00, 0.11, 0.93, 0.22
HSL	53°, 87%, 42%
HSV	53°, 93%, 78%
XYZ	39.5580, 44.0146, 6.8250
YIQ	165.5830, 65.1600, -46.5520

# Conversions

## Conversions Part 2

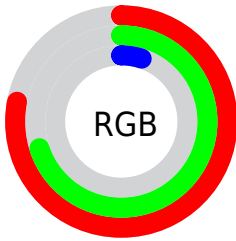
Format	Color
R <sub>Y</sub> B	38, 199, 14
Decimal	13087246
CIE Lab	72.24, -7.03, 72.69
CIE LCh	72, 73.027, 95.523
Yxy	44.0146, 0.4376, 0.4869
Android (android.graphics.Color)	4291277326 (0xFFC7B20E)
YUV	165.5830, -74.7304, 29.3067
Hunter-Lab	66.3435, -9.6687, 40.3411

# Details

The Yxy color **44.0146, 0.4376, 0.4869** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **5.4207, 0.1562, 0.0763**, and the grayscale version is **38.2668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1779, 0.4179, 0.4655**, and **20.4972, 0.4376, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **43.3564, 0.4409, 0.4881**, and if you desaturate by 10%, it is **45.0074, 0.4311, 0.4824**.

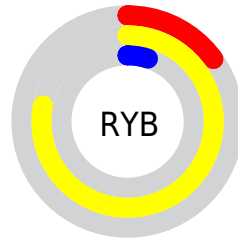
# Distribution



Red (78%)

Green (70%)

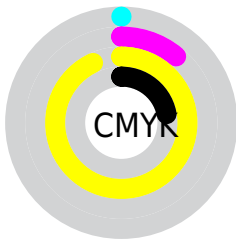
Blue (5%)



Red (15%)

Yellow (78%)

Blue (5%)

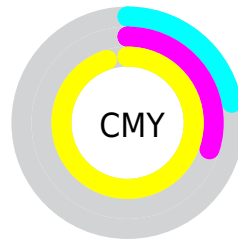


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (22%)



Cyan (22%)

Magenta (30%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0146, 0.4376, 0.4869 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 44.0146, 0.4376, 0.4869 by changing the saturation by 10% instead.




 44.0146, 0.4376,  
0.4869


 44.0146, 0.4376,  
0.4869


362.7679, 0.3838,  
0.4151


 30.6820, 0.4463,  
0.5002


 81.2397, 0.4212,  
0.4638


 20.3568, 0.4545,  
0.5142


 105.9010, 0.4141,  
0.4542

 12.6547, 0.4659,  
0.5337


 135.1073, 0.4076,  
0.4456

 7.1912, 0.4616,  
0.5384

 169.2430, 0.4018,  
0.4381

 3.5820, 0.4547,  
0.5453

 208.6925, 0.3966,  
0.4313

 1.4426, 0.4429,  
0.5571

 253.8402, 0.3919,

 0.2478, 0.2051,

0.4253

0.7949

305.0706, 0.3876,  
0.4199

■ 0.0000, 0.0000,  
0.0000

■ 44.0146, 0.4376,  
0.4869

■ 44.0146, 0.4376,  
0.4869

■ 43.3564, 0.4409,  
0.4881

■ 45.0074, 0.4311,  
0.4824

■ 46.0794, 0.4218,  
0.4734

■ 47.2428, 0.4100,  
0.4602

■ 48.5059, 0.3961,  
0.4433

■ 49.8761, 0.3808,  
0.4236

■ 51.3599, 0.3646,  
0.4021

■ 52.9633, 0.3484,  
0.3797

■ 54.6919, 0.3324,  
0.3573

■ 56.5506, 0.3171,  
0.3353

# Harmonies

## Analogous

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



44.0146, 0.5003, 0.4184



44.0146, 0.4376, 0.4869



44.0146, 0.3484, 0.5228

# Triad

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



44.0146, 0.4376, 0.4869



44.0146, 0.1483, 0.2598



44.0146, 0.3488, 0.2264

# Complementary

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



44.0146, 0.4376, 0.4869



5.4207, 0.1562, 0.0763

# 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.



44.0146, 0.2494, 0.1911



44.0146, 0.4376, 0.4869



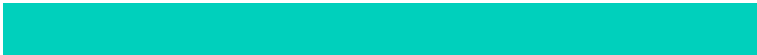
44.0146, 0.1491, 0.2012

# Square

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



44.0146, 0.4376, 0.4869



44.0146, 0.1829, 0.3637



44.0146, 0.1820, 0.1812



44.0146, 0.4523, 0.2816



# Rectangle

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



44.0146, 0.4376, 0.4869



44.0146, 0.2852, 0.5032



44.0146, 0.1820, 0.1812



44.0146, 0.3132, 0.2120

# Sweetspot

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



44.0167, 0.4376, 0.4869



91.1555, 0.3572, 0.3919



12.5841, 0.6097, 0.3193



19.2533, 0.3643, 0.4017



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.



44.0167, 0.4376, 0.4869



75.6634, 0.4413, 0.4878



45.4870, 0.3564, 0.5510



12.2032, 0.3268, 0.3493



27.9524, 0.4406, 0.4884



1.3836, 0.4356, 0.4923



# Inverse Universe

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



5.4207, 0.1562, 0.0763



8.0978, 0.1518, 0.0665



6.3657, 0.1892, 0.0848



10.4784, 0.2983, 0.3079



3.1021, 0.1525, 0.0690



0.2136, 0.1598, 0.0954



# Previews

## White Background



This preview shows how the Yxy color 44.0146, 0.4376, 0.4869 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 44.0146, 0.4376, 0.4869 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 44.0146, 0.4376, 0.4869**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0146, 0.4376, 0.4869.



This preview shows how white text looks on a background with the Yxy color 44.0146, 0.4376, 0.4869.

# 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

44.0146, 0.4376, 0.4869

### Protanopia

44.1519, 0.4385, 0.4862

### Deuteranopia

43.9271, 0.4683, 0.4578



## Tritanopia

43.6799, 0.3426, 0.3131

# Trichromacy



## Original Color

44.0146, 0.4376, 0.4869

## Protanomaly

44.1519, 0.4385, 0.4862

## Deuteranomaly

44.0100, 0.4570, 0.4686

## Tritanomaly

43.0366, 0.3927, 0.3947

# Monochromacy



## Original Color

44.0146, 0.4376, 0.4869

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

39.3621, 0.3719, 0.4112

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0146, 0.4376, 0.4869 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(199, 178, 14)` looks like.

```
.text, #text, p{  
    color:rgb(199, 178, 14)  
}
```

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(199, 178, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 178, 14) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0146, 0.4376, 0.4869 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(199, 178, 14) }
```

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

```
.border{ border-color:rgb(199, 178, 14) }
```

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

Here you see how a box with a 4 pixel rgb(199, 178, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 178, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 178, 14);  
box-shadow:4px 4px 4px 4px rgb(199, 178,  
14) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0146, 0.4376, 0.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 178, 14) }
```

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

```
.background{ background-color: rgb(199,  
178, 14) }
```

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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