

# Converting Colors

$Y_{xy}(44.4912, 0.4633, 0.4490)$

Have a look what the booklet for  
Yxy(44.4912, 0.4633, 0.4490)  
contains.

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# Color

**Yxy(44.3635, 0.4638, 0.4489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2A82D
RGB	226, 168, 45
RGB Percent	89%, 66%, 18%
CMY	0.1138, 0.3411, 0.8236
CMYK	0.00, 0.26, 0.80, 0.11
HSL	41°, 76%, 53%
HSV	41°, 80%, 89%
XYZ	45.8360, 44.3635, 8.6276
YIQ	171.3200, 74.0510, -25.9570

# Conversions

## Conversions Part 2

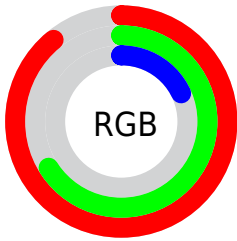
Format	Color
R <sub>Y</sub> B	130, 226, 45
Decimal	14854189
CIE Lab	72.47, 10.76, 66.63
CIE LCh	72, 67.496, 80.830
Yxy	44.3635, 0.4638, 0.4489
Android (android.graphics.Color)	4293044269 (0xFFE2A82D)
YUV	171.3200, -62.2758, 47.9544
Hunter-Lab	66.6059, 6.2775, 38.9442

# Details

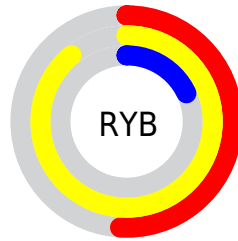
The Yxy color **44.3635, 0.4638, 0.4489** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **15.7382, 0.1797, 0.1440**, and the grayscale version is **41.1857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9749, 0.4164, 0.4462**, and **20.5978, 0.4841, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **41.6371, 0.4788, 0.4509**, and if you desaturate by 10%, it is **47.3361, 0.4459, 0.4419**.

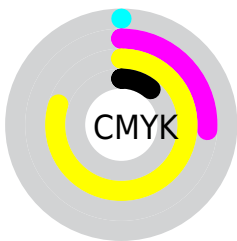
# Distribution



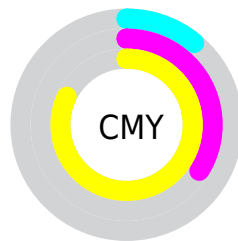
- Red (89%)
- Green (66%)
- Blue (18%)



- Red (51%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (26%)
- Yellow (80%)
- Black (11%)




- Cyan (11%)
- Magenta (34%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3635, 0.4638, 0.4489 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 44.3635, 0.4638, 0.4489 by changing the saturation by 10% instead.




 44.3635, 0.4638,  
0.4489


 44.3635, 0.4638,  
0.4489


364.1896, 0.3941,  
0.3977

 30.9564, 0.4775,  
0.4574


 81.7644, 0.4409,  
0.4333


 20.5656, 0.4926,  
0.4655


 106.5271, 0.4315,  
0.4265

 12.8069, 0.5098,  
0.4732


 135.8436, 0.4232,  
0.4203

 7.2957, 0.5249,  
0.4751

 170.0985, 0.4160,  
0.4148

 3.6477, 0.5344,  
0.4656

 209.6762, 0.4095,  
0.4099

 1.4785, 0.5501,  
0.4499

 254.9610, 0.4038,

 0.2735, 0.6564,

0.4054

0.3436

306.3373, 0.3987,  
0.4014

0.0000, 0.0000,  
0.0000

44.3635, 0.4638,  
0.4489

44.3635, 0.4638,  
0.4489

41.6371, 0.4788,  
0.4509

47.3361, 0.4459,  
0.4419


39.1478, 0.4909,  
0.4485


50.5637, 0.4261,  
0.4306


54.0617, 0.4054,  
0.4160


57.8419, 0.3847,  
0.3993

61.9152, 0.3647,  
0.3816

 66.2915, 0.3459,  
0.3636

 70.9801, 0.3286,  
0.3460

 75.9900, 0.3129,  
0.3292

 81.3295, 0.2987,  
0.3133

# Harmonies

## Analogous

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



44.3635, 0.4995, 0.3824



44.3635, 0.4638, 0.4489



44.3635, 0.3907, 0.4996

# Triad

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



44.3635, 0.4638, 0.4489



44.3635, 0.1705, 0.3086



44.3635, 0.2988, 0.2137

# Complementary

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



44.3635, 0.4638, 0.4489



15.7382, 0.1797, 0.1440

# 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.



44.3635, 0.2188, 0.1917



44.3635, 0.4638, 0.4489



44.3635, 0.1547, 0.2324

# Square

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



44.3635, 0.4638, 0.4489



44.3635, 0.2218, 0.4152



44.3635, 0.1710, 0.1960



44.3635, 0.3975, 0.2580



# Rectangle

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



44.3635, 0.4638, 0.4489



44.3635, 0.3323, 0.5056



44.3635, 0.1710, 0.1960



44.3635, 0.2689, 0.2037

# Sweetspot

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



44.3657, 0.4638, 0.4489



84.7919, 0.3534, 0.3709



19.0678, 0.5036, 0.2755



17.7098, 0.3601, 0.3774



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.



44.3657, 0.4638, 0.4489



52.5684, 0.4869, 0.4495



66.2834, 0.3897, 0.5127



15.2506, 0.3275, 0.3449



22.5610, 0.4894, 0.4496



1.7234, 0.4760, 0.4603



# Inverse Universe

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



15.7382, 0.1797, 0.1440



14.3644, 0.1641, 0.1086



8.8674, 0.1772, 0.0894



13.9563, 0.2981, 0.3126



5.9951, 0.1626, 0.1052



0.5736, 0.1712, 0.1362



# Previews

## White Background



This preview shows how the Yxy color 44.3635, 0.4638, 0.4489 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 44.3635, 0.4638, 0.4489 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 44.3635, 0.4638, 0.4489**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3635, 0.4638, 0.4489.



This preview shows how white text looks on a background with the Yxy color 44.3635, 0.4638, 0.4489.

# 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

44.3635, 0.4638, 0.4489

### Protanopia

44.3335, 0.4292, 0.4724

### Deuteranopia

44.4127, 0.4610, 0.4510



## Tritanopia

44.4709, 0.3771, 0.3155

# Trichromacy



**Original Color**

44.3635, 0.4638, 0.4489

**Protanomaly**

44.0326, 0.4417, 0.4637

**Deuteranomaly**

44.5729, 0.4619, 0.4504

**Tritanomaly**

43.9339, 0.4173, 0.3716

# Monochromacy



**Original Color**

44.3635, 0.4638, 0.4489

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

41.3065, 0.3727, 0.3891

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3635, 0.4638, 0.4489 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(226, 168, 45)` looks like.

```
.text, #text, p{  
    color:rgb(226, 168, 45)  
}
```

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(226, 168, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 168, 45) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3635, 0.4638, 0.4489 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(226, 168, 45) }
```

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

```
.border{ border-color:rgb(226, 168, 45) }
```

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

Here you see how a box with a 4 pixel rgb(226, 168, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 168, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 168, 45);  
box-shadow:4px 4px 4px 4px rgb(226, 168,  
45) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3635, 0.4638, 0.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 168, 45) }
```

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

```
.background{ background-color: rgb(226,  
168, 45) }
```

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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