

Converting Colors

Yxy(49.4431, 0.4680, 0.4498)

Have a look what the booklet for
Yxy(49.4431, 0.4680, 0.4498)
contains.

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Color

Yxy(49.5686, 0.4679, 0.4500)

Conversions

Conversions Part 1

Format	Color
Hex	EFB02A
RGB	239, 176, 42
RGB Percent	94%, 69%, 16%
CMY	0.0627, 0.3098, 0.8352
CMYK	0.00, 0.26, 0.82, 0.06
HSL	41°, 86%, 55%
HSV	41°, 82%, 94%
XYZ	51.5403, 49.5686, 9.0435
YIQ	179.5610, 80.5620, -28.3180

Conversions

Conversions Part 2

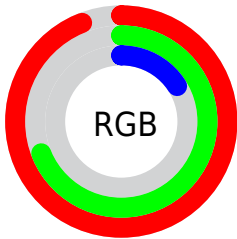
Format	Color
R _Y B	135, 239, 42
Decimal	15708202
CIE Lab	75.80, 12.02, 71.02
CIE LCh	76, 72.032, 80.390
Yxy	49.5686, 0.4679, 0.4500
Android (android.graphics.Color)	4293898282 (0xFFEFB02A)
YUV	179.5610, -67.8176, 52.1280
Hunter-Lab	70.4050, 7.4632, 41.6677

Details

The Yxy color **49.5686, 0.4679, 0.4500** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **16.8317, 0.1767, 0.1377**, and the grayscale version is **45.7350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3319, 0.4121, 0.4533**, and **23.8803, 0.4851, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **46.5341, 0.4821, 0.4507**, and if you desaturate by 10%, it is **52.8787, 0.4506, 0.4442**.

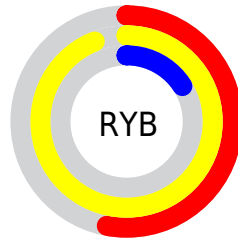
Distribution



Red (94%)

Green (69%)

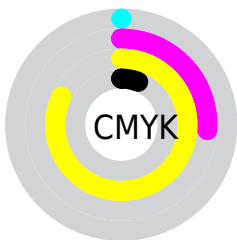
Blue (16%)



Red (53%)

Yellow (94%)

Blue (16%)

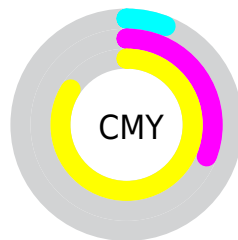


Cyan (0%)

Magenta (26%)

Yellow (82%)

Black (6%)



Cyan (6%)

Magenta (31%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.5686, 0.4679, 0.4500 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 49.5686, 0.4679, 0.4500 by changing the saturation by 10% instead.


 49.5686, 0.4679,
0.4500

 49.5686, 0.4679,
0.4500


384.9765, 0.3982,
0.4002

 35.0707, 0.4812,
0.4578


 89.5354, 0.4454,
0.4352


 23.7174, 0.4956,
0.4651


 115.7731, 0.4361,
0.4286


 15.1241, 0.5114,
0.4713


 146.6928, 0.4278,
0.4227

 8.9065, 0.5266,
0.4734

 182.6791, 0.4205,
0.4173

 4.6803, 0.5357,
0.4643

 224.1161, 0.4139,
0.4124

 2.0609, 0.5502,
0.4498

 271.3885, 0.4081,

 0.6425, 0.5850,

0.4079

0.4150

324.8805, 0.4029,
0.4039

■ 0.0000, 0.0000,
0.0000

■ 49.5686, 0.4679,
0.4500

■ 49.5686, 0.4679,
0.4500

■ 46.5341, 0.4821,
0.4507

■ 52.8787, 0.4506,
0.4442


■ 44.3913, 0.4910,
0.4483


■ 56.4753, 0.4312,
0.4338

■ 60.3768, 0.4105,
0.4199

■ 64.5970, 0.3897,
0.4036

■ 69.1485, 0.3694,
0.3860

 74.0430, 0.3503,
0.3679

 79.2913, 0.3325,
0.3501

 84.9037, 0.3164,
0.3330

 90.7524, 0.3030,
0.3189

Harmonies

Analogous

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



49.5686, 0.5044, 0.3818



49.5686, 0.4679, 0.4500



49.5686, 0.3931, 0.5035

Triad

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



49.5686, 0.4679, 0.4500



49.5686, 0.1676, 0.3091



49.5686, 0.2968, 0.2107

Complementary

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



49.5686, 0.4679, 0.4500



16.8317, 0.1767, 0.1377

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.



49.5686, 0.2155, 0.1885



49.5686, 0.4679, 0.4500



49.5686, 0.1513, 0.2305

Square

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



49.5686, 0.4679, 0.4500



49.5686, 0.2202, 0.4194



49.5686, 0.1674, 0.1932



49.5686, 0.3983, 0.2554

Rectangle

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



49.5686, 0.4679, 0.4500



49.5686, 0.3335, 0.5113



49.5686, 0.1674, 0.1932



49.5686, 0.2663, 0.2005

Sweetspot

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



49.5711, 0.4679, 0.4500



84.2275, 0.3552, 0.3728



21.0844, 0.5126, 0.2763



17.5985, 0.3620, 0.3791



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.



49.5711, 0.4679, 0.4500



51.6401, 0.4902, 0.4485



75.0466, 0.3902, 0.5157



17.5569, 0.3276, 0.3450



24.7788, 0.4896, 0.4495



2.2400, 0.4780, 0.4586

Inverse Universe

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



16.8317, 0.1767, 0.1377



13.4667, 0.1621, 0.1030



9.3797, 0.1737, 0.0844



16.0539, 0.2980, 0.3125



6.5428, 0.1624, 0.1046



0.7172, 0.1696, 0.1306

Previews

White Background



This preview shows how the Yxy color 49.5686, 0.4679, 0.4500 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 49.5686, 0.4679, 0.4500 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 49.5686, 0.4679, 0.4500

Background



This preview shows how black text looks on a background with the Yxy color 49.5686, 0.4679, 0.4500.



This preview shows how white text looks on a background with the Yxy color 49.5686, 0.4679, 0.4500.

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

49.5686, 0.4679, 0.4500

Protanopia

49.8575, 0.4304, 0.4765

Deuteranopia

49.8338, 0.4638, 0.4539



Tritanopia

49.4597, 0.3802, 0.3162

Trichromacy



Original Color

49.5686, 0.4679, 0.4500

Protanomaly

49.8350, 0.4442, 0.4668

Deuteranomaly

49.6089, 0.4656, 0.4525

Tritanomaly

48.7707, 0.4225, 0.3737

Monochromacy



Original Color

49.5686, 0.4679, 0.4500

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2694, 0.3742, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5686, 0.4679, 0.4500 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(239, 176, 42)` looks like.

```
.text, #text, p{  
    color:rgb(239, 176, 42)  
}
```

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(239, 176, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 176, 42) }
```

Border

The CSS property to change the border of an element to Yxy 49.5686, 0.4679, 0.4500 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(239, 176, 42) }
```

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

```
.border{ border-color:rgb(239, 176, 42) }
```

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

Here you see how a box with a 4 pixel rgb(239, 176, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 176, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 176, 42);  
box-shadow:4px 4px 4px 4px rgb(239, 176,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5686, 0.4679, 0.4500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 176, 42) }
```

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

```
.background{ background-color: rgb(239,  
176, 42) }
```

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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