

Converting Colors

$Yxy(46.9567, 0.4478, 0.4376)$

Have a look what the booklet for
Yxy(46.9567, 0.4478, 0.4376)
contains.

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Color

Yxy(46.8233, 0.4483, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	E4AD46
RGB	228, 173, 70
RGB Percent	89%, 68%, 27%
CMY	0.1059, 0.3216, 0.7254
CMYK	0.00, 0.24, 0.69, 0.11
HSL	39°, 75%, 58%
HSV	39°, 69%, 89%
XYZ	48.0451, 46.8233, 12.3033
YIQ	177.7030, 65.8430, -20.3730

Conversions

Conversions Part 2

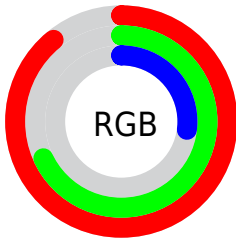
Format	Color
RYB	154, 228, 70
Decimal	14986566
CIELab	74.08, 10.04, 58.61
CIElCh	74, 59.467, 80.284
Yxy	46.8233, 0.4483, 0.4369
Android (android.graphics.Color)	4293176646 (0xFFE4AD46)
YUV	177.7030, -53.0976, 44.1105
Hunter-Lab	68.4276, 5.5820, 37.2389

Details

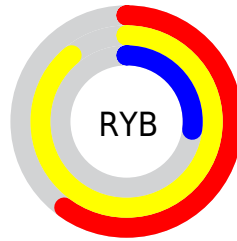
The Yxy color **46.8233, 0.4483, 0.4369** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.5771, 0.1960, 0.1772**, and the grayscale version is **44.6180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1769, 0.4015, 0.4325**, and **22.0171, 0.4767, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **43.6357, 0.4676, 0.4438**, and if you desaturate by 10%, it is **50.3056, 0.4272, 0.4258**.

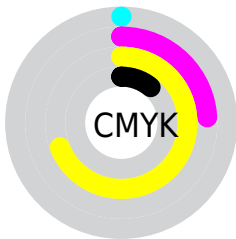
Distribution



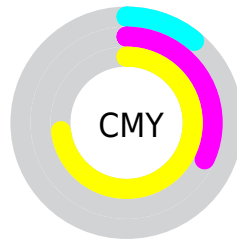
- Red (89%)
- Green (68%)
- Blue (27%)



- Red (60%)
- Yellow (89%)
- Blue (27%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (11%)





- Cyan (11%)
- Magenta (32%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8233, 0.4483, 0.4369 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 46.8233, 0.4483, 0.4369 by changing the saturation by 10% instead.


 46.8233, 0.4483,
0.4369


 46.8233, 0.4483,
0.4369


374.1088, 0.3845,
0.3892


 32.8960, 0.4617,
0.4458


 85.4498, 0.4268,
0.4217

 22.0468, 0.4772,
0.4552


 110.9178, 0.4181,
0.4153


 13.8913, 0.4945,
0.4642


 141.0015, 0.4106,
0.4096

 8.0451, 0.5211,
0.4784

 176.0852, 0.4041,
0.4046

 4.1238, 0.5296,
0.4704

 216.5534, 0.3983,
0.4001

 1.7431, 0.5431,
0.4569

262.7905, 0.3932,

 0.4513, 0.5989,

0.3961

0.4011

315.1808, 0.3886,
0.3925

■ 0.0000, 0.0000,
0.0000

■ 46.8233, 0.4483,
0.4369

■ 46.8233, 0.4483,
0.4369

■ 43.6357, 0.4676,
0.4438

■ 50.3056, 0.4272,
0.4258

■ 40.7198, 0.4842,
0.4456

■ 54.0898, 0.4055,
0.4116


■ 38.0535, 0.4976,
0.4426

■ 58.1910, 0.3841,
0.3954


■ 37.8713, 0.4986,
0.4423


■ 62.6206, 0.3637,
0.3782

■ 67.3896, 0.3447,
0.3609

 72.5081, 0.3273,
0.3440

 77.9856, 0.3117,
0.3279

 83.8313, 0.2976,
0.3128

 88.6819, 0.2962,
0.3183

Harmonies

Analogous

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



46.8233, 0.4764, 0.3788



46.8233, 0.4483, 0.4369



46.8233, 0.3855, 0.4777

Triad

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



46.8233, 0.4483, 0.4369



46.8233, 0.1877, 0.3145



46.8233, 0.2999, 0.2259

Complementary

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



46.8233, 0.4483, 0.4369



21.5771, 0.1960, 0.1772

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.



46.8233, 0.2292, 0.2064



46.8233, 0.4483, 0.4369



46.8233, 0.1719, 0.2463

Square

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



46.8233, 0.4483, 0.4369



46.8233, 0.2352, 0.4044



46.8233, 0.1860, 0.2117



46.8233, 0.3851, 0.2657

Rectangle

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



46.8233, 0.4483, 0.4369



46.8233, 0.3340, 0.4804



46.8233, 0.1860, 0.2117



46.8233, 0.2737, 0.2169

Sweetspot

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



46.8256, 0.4483, 0.4369



85.6952, 0.3481, 0.3641



22.3663, 0.4617, 0.2724



17.9721, 0.3533, 0.3689



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.



46.8256, 0.4483, 0.4369



54.6141, 0.4750, 0.4452



68.8108, 0.3876, 0.4954



15.9282, 0.3276, 0.3443



22.0978, 0.4970, 0.4436



1.8052, 0.4828, 0.4549

Inverse Universe

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



21.5771, 0.1960, 0.1772



20.4713, 0.1777, 0.1430



12.3497, 0.1928, 0.1145



14.7037, 0.2981, 0.3132



6.6952, 0.1645, 0.1122



0.6637, 0.1726, 0.1415

Previews

White Background



This preview shows how the Yxy color 46.8233, 0.4483, 0.4369 looks on a white background.

Color Contrast Check

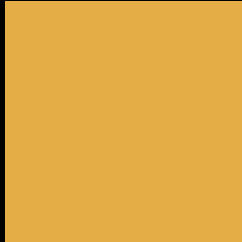
Large Text (above 18pt) WCAG AA × Fail

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 46.8233, 0.4483, 0.4369 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 46.8233, 0.4483, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 46.8233, 0.4483, 0.4369.



This preview shows how white text looks on a background with the Yxy color 46.8233, 0.4483, 0.4369.

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

46.8233, 0.4483, 0.4369

Protanopia

47.0445, 0.4154, 0.4570

Deuteranopia

46.6602, 0.4474, 0.4374



Tritanopia

46.5980, 0.3706, 0.3145

Trichromacy



Original Color

46.8233, 0.4483, 0.4369

Protanomaly

46.7051, 0.4275, 0.4493

Deuteranomaly

46.6602, 0.4474, 0.4374

Tritanomaly

46.2344, 0.4032, 0.3625

Monochromacy



Original Color

46.8233, 0.4483, 0.4369

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.6505, 0.3628, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8233, 0.4483, 0.4369 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(228, 173, 70)` looks like.

```
.text, #text, p{  
    color:rgb(228, 173, 70)  
}
```

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(228, 173, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 173, 70) }
```

Border

The CSS property to change the border of an element to Yxy 46.8233, 0.4483, 0.4369 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(228, 173, 70) }
```

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

```
.border{ border-color:rgb(228, 173, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 173, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 173, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 173, 70);  
box-shadow:4px 4px 4px 4px rgb(228, 173,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8233, 0.4483, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 173, 70) }
```

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

```
.background{ background-color: rgb(228,  
173, 70) }
```

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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