

Converting Colors

$Y_{xy}(47.1123, 0.4636, 0.4701)$

Have a look what the booklet for
Yxy(47.1123, 0.4636, 0.4701)
contains.

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Color

Yxy(46.8980, 0.4637, 0.4700)

Conversions

Conversions Part 1

Format	Color
Hex	E0B000
RGB	224, 176, 0
RGB Percent	88%, 69%, 0%
CMY	0.1215, 0.3098, 0.9996
CMYK	0.00, 0.21, 1.00, 0.12
HSL	47°, 100%, 44%
HSV	47°, 100%, 88%
XYZ	46.2694, 46.8980, 6.6156
YIQ	170.2880, 85.1040, -44.5600

Conversions

Conversions Part 2

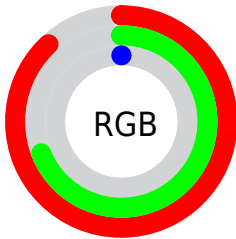
Format	Color
RYB	61, 224, 0
Decimal	14725120
CIELab	74.12, 4.86, 76.76
CIELCh	74, 76.915, 86.377
Yxy	46.8980, 0.4637, 0.4700
Android (android.graphics.Color)	4292915200 (0xFFE0B000)
YUV	170.2880, -83.9520, 47.1054
Hunter-Lab	68.4821, 0.7583, 42.2099

Details

The Yxy color **46.8980, 0.4637, 0.4700** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **7.5054, 0.1557, 0.0805**, and the grayscale version is **40.7525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9910, 0.4208, 0.4665**, and **22.2018, 0.4685, 0.4662** is the 20% darker color. If you saturate the color by 10%, you get **46.8926, 0.4637, 0.4700**, and if you desaturate by 10%, it is **48.8771, 0.4557, 0.4701**.

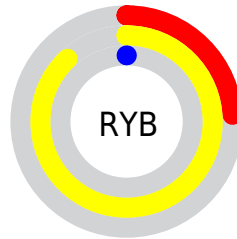
Distribution



Red (88%)

Green (69%)

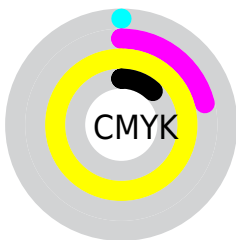
Blue (0%)



Red (24%)

Yellow (88%)

Blue (0%)

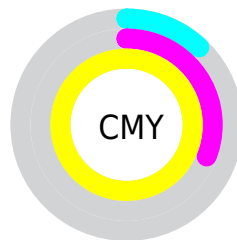


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8980, 0.4637, 0.4700 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 46.8980, 0.4637, 0.4700 by changing the saturation by 10% instead.


 46.8980, 0.4637,
0.4700

 46.8980, 0.4637,
0.4700


374.4072, 0.3980,
0.4110

 32.9550, 0.4750,
0.4792


 85.5613, 0.4434,
0.4525

 22.0920, 0.4864,
0.4878


 111.0505, 0.4346,
0.4447

 13.9245, 0.5012,
0.4988


 141.1572, 0.4268,
0.4376

 8.0682, 0.5040,
0.4960

 176.2658, 0.4198,
0.4311

 4.1386, 0.5081,
0.4919

 216.7607, 0.4135,
0.4253

 1.7514, 0.5149,
0.4851

 263.0263, 0.4078,

 0.4566, 0.5476,

0.4201

0.4524

315.4470, 0.4027,
0.4153

■ 0.0000, 0.0000,
0.0000

■ 46.8980, 0.4637,
0.4700

■ 46.8980, 0.4637,
0.4700

■ 46.8926, 0.4637,
0.4700

■ 48.8771, 0.4557,
0.4701

■ 50.9903, 0.4450,
0.4660

■ 53.2629, 0.4314,
0.4571

■ 55.7081, 0.4156,
0.4440

■ 58.3375, 0.3983,
0.4276

■ 61.1609, 0.3802,
0.4089

■ 64.1874, 0.3622,
0.3889

■ 67.4253, 0.3446,
0.3685

■ 70.8822, 0.3281,
0.3483

Harmonies

Analogous

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



46.8980, 0.5154, 0.3969



46.8980, 0.4637, 0.4700



46.8980, 0.3778, 0.5239

Triad

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



46.8980, 0.4637, 0.4700



46.8980, 0.1509, 0.2852



46.8980, 0.3160, 0.2103

Complementary

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



46.8980, 0.4637, 0.4700



7.5054, 0.1557, 0.0805

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.



46.8980, 0.2226, 0.1819



46.8980, 0.4637, 0.4700



46.8980, 0.1416, 0.2111

Square

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



46.8980, 0.4637, 0.4700



46.8980, 0.1979, 0.4031



46.8980, 0.1650, 0.1803



46.8980, 0.4266, 0.2613

Rectangle

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



46.8980, 0.4637, 0.4700



46.8980, 0.3131, 0.5240



46.8980, 0.1650, 0.1803



46.8980, 0.2813, 0.1981

Sweetspot

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



46.9003, 0.4637, 0.4700



85.9918, 0.3626, 0.3894



16.0698, 0.6055, 0.3110



18.0302, 0.3702, 0.3980



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.



46.9003, 0.4637, 0.4700



62.7186, 0.4641, 0.4697



60.8509, 0.3695, 0.5448



15.5046, 0.3272, 0.3473



27.4654, 0.4629, 0.4706



2.0295, 0.4549, 0.4770

Inverse Universe

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



7.5054, 0.1557, 0.0805



9.9217, 0.1554, 0.0795



6.4589, 0.1672, 0.0695



13.7173, 0.2981, 0.3100



4.5014, 0.1563, 0.0826



0.4427, 0.1641, 0.1108

Previews

White Background



This preview shows how the Yxy color 46.8980, 0.4637, 0.4700 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 46.8980, 0.4637, 0.4700 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 46.8980, 0.4637, 0.4700

Background



This preview shows how black text looks on a background with the Yxy color 46.8980, 0.4637, 0.4700.



This preview shows how white text looks on a background with the Yxy color 46.8980, 0.4637, 0.4700.

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

46.8980, 0.4637, 0.4700

Protanopia

47.0129, 0.4394, 0.4866

Deuteranopia

46.9051, 0.4713, 0.4608



Tritanopia

47.0091, 0.3672, 0.3155

Trichromacy



Original Color

46.8980, 0.4637, 0.4700

Protanomaly

46.8040, 0.4491, 0.4799

Deuteranomaly

46.7836, 0.4683, 0.4644

Tritanomaly

45.9981, 0.4230, 0.3926

Monochromacy



Original Color

46.8980, 0.4637, 0.4700

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.5349, 0.3854, 0.4137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8980, 0.4637, 0.4700 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(224, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 176, 0)  
}
```

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(224, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 176, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.8980, 0.4637, 0.4700 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(224, 176, 0) }
```

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

```
.border{ border-color:rgb(224, 176, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 176,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8980, 0.4637, 0.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 176, 0) }
```

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

```
.background{ background-color: rgb(224,  
176, 0) }
```

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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