

Converting Colors

$Yxy(46.4747, 0.4707, 0.4810)$

Have a look what the booklet for
Yxy(46.4747, 0.4707, 0.4810)
contains.

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Color

Yxy(46.7386, 0.4628, 0.4707)

Conversions

Conversions Part 1

Format	Color
Hex	DFB000
RGB	223, 176, 0
RGB Percent	87%, 69%, 0%
CMY	0.1255, 0.3098, 0.9994
CMYK	0.00, 0.21, 1.00, 0.13
HSL	47°, 100%, 44%
HSV	47°, 100%, 87%
XYZ	45.9542, 46.7386, 6.6032
YIQ	169.9890, 84.5080, -44.7720

Conversions

Conversions Part 2

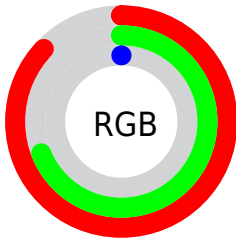
Format	Color
RYB	60, 223, 0
Decimal	14659584
CIELab	74.02, 4.41, 76.63
CIELCh	74, 76.761, 86.709
Yxy	46.7386, 0.4628, 0.4707
Android (android.graphics.Color)	4292849664 (0xFFDFB000)
YUV	169.9890, -83.8046, 46.4906
Hunter-Lab	68.3656, 0.3447, 42.1293

Details

The Yxy color **46.7386, 0.4628, 0.4707** 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 **7.3708, 0.1556, 0.0800**, and the grayscale version is **40.5965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9910, 0.4208, 0.4665**, and **22.0967, 0.4674, 0.4671** is the 20% darker color. If you saturate the color by 10%, you get **46.7282, 0.4628, 0.4707**, and if you desaturate by 10%, it is **48.6758, 0.4549, 0.4707**.

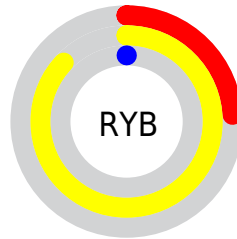
Distribution



Red (87%)

Green (69%)

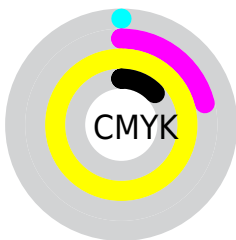
Blue (0%)



Red (24%)

Yellow (87%)

Blue (0%)

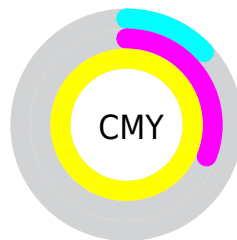


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7386, 0.4628, 0.4707 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 46.7386, 0.4628, 0.4707 by changing the saturation by 10% instead.


 46.7386, 0.4628,
0.4707

 46.7386, 0.4628,
0.4707


373.7702, 0.3975,
0.4112


 32.8291, 0.4740,
0.4801


 85.3233, 0.4426,
0.4530


 21.9955, 0.4853,
0.4888


 110.7673, 0.4339,
0.4451


 13.8536, 0.5000,
0.5000


 140.8248, 0.4261,
0.4379

 8.0189, 0.5025,
0.4975

 175.8803, 0.4191,
0.4315

 4.1071, 0.5062,
0.4938

 216.3182, 0.4129,
0.4256

 1.7336, 0.5124,
0.4876

 262.5229, 0.4072,

 0.4453, 0.5438,

0.4203

0.4562

314.8787, 0.4021,
0.4156

■ 0.0000, 0.0000,
0.0000

■ 46.7386, 0.4628,
0.4707

■ 46.7386, 0.4628,
0.4707

■ 46.7282, 0.4628,
0.4707

■ 48.6758, 0.4549,
0.4707

■ 50.7438, 0.4443,
0.4665

■ 52.9672, 0.4309,
0.4576

■ 55.3593, 0.4152,
0.4444

■ 57.9313, 0.3980,
0.4279

■ 60.6930, 0.3800,
0.4092

■ 63.6533, 0.3620,
0.3891

■ 66.8205, 0.3446,
0.3686

■ 70.2020, 0.3280,
0.3483

Harmonies

Analogous

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



46.7386, 0.5149, 0.3977



46.7386, 0.4628, 0.4707



46.7386, 0.3767, 0.5241

Triad

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



46.7386, 0.4628, 0.4707



46.7386, 0.1507, 0.2842



46.7386, 0.3172, 0.2109

Complementary

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



46.7386, 0.4628, 0.4707



7.3708, 0.1556, 0.0800

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.



46.7386, 0.2235, 0.1821



46.7386, 0.4628, 0.4707



46.7386, 0.1418, 0.2106

Square

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



46.7386, 0.4628, 0.4707



46.7386, 0.1973, 0.4016



46.7386, 0.1656, 0.1803



46.7386, 0.4277, 0.2620

Rectangle

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



46.7386, 0.4628, 0.4707



46.7386, 0.3121, 0.5234



46.7386, 0.1656, 0.1803



46.7386, 0.2825, 0.1985

Sweetspot

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



46.7409, 0.4628, 0.4707



86.1535, 0.3625, 0.3897



15.9059, 0.6054, 0.3109



18.0691, 0.3701, 0.3983



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.



46.7409, 0.4628, 0.4707



63.1477, 0.4632, 0.4704



60.2259, 0.3695, 0.5448



15.5133, 0.3272, 0.3474



27.6488, 0.4621, 0.4713



2.0408, 0.4542, 0.4776

Inverse Universe

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



7.3708, 0.1556, 0.0800



9.8356, 0.1553, 0.0789



6.3964, 0.1672, 0.0695



13.7092, 0.2981, 0.3099



4.4614, 0.1561, 0.0820



0.4389, 0.1639, 0.1100

Previews

White Background



This preview shows how the Yxy color 46.7386, 0.4628, 0.4707 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 46.7386, 0.4628, 0.4707 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 46.7386, 0.4628, 0.4707

Background



This preview shows how black text looks on a background with the Yxy color 46.7386, 0.4628, 0.4707.



This preview shows how white text looks on a background with the Yxy color 46.7386, 0.4628, 0.4707.

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

46.7386, 0.4628, 0.4707

Protanopia

47.0107, 0.4395, 0.4868

Deuteranopia

46.7418, 0.4703, 0.4613



Tritanopia

46.8413, 0.3663, 0.3155

Trichromacy



Original Color

46.7386, 0.4628, 0.4707

Protanomaly

46.6527, 0.4483, 0.4807

Deuteranomaly

46.6227, 0.4674, 0.4650

Tritanomaly

45.8331, 0.4221, 0.3929

Monochromacy



Original Color

46.7386, 0.4628, 0.4707

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.4066, 0.3844, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7386, 0.4628, 0.4707 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(223, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 176, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.7386, 0.4628, 0.4707 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(223, 176, 0) }
```

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

```
.border{ border-color:rgb(223, 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(223, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 176,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7386, 0.4628, 0.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 176, 0) }
```

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

```
.background{ background-color: rgb(223,  
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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