

Converting Colors

$Yxy(48.7194, 0.4726, 0.4623)$

Have a look what the booklet for
Yxy(48.7194, 0.4726, 0.4623)
contains.

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Color

Yxy(48.7194, 0.4726, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	EBB003
RGB	235, 176, 3
RGB Percent	92%, 69%, 1%
CMY	0.0784, 0.3098, 0.9888
CMYK	0.00, 0.25, 0.99, 0.08
HSL	45°, 98%, 47%
HSV	45°, 99%, 92%
XYZ	49.8049, 48.7194, 6.8606
YIQ	173.9190, 90.6970, -41.2950

Conversions

Conversions Part 2

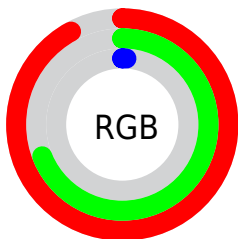
Format	Color
R _Y B	82, 235, 3
Decimal	15446019
CIE Lab	75.28, 9.67, 77.79
CIE LCh	75, 78.387, 82.915
Yxy	48.7194, 0.4726, 0.4623
Android (android.graphics.Color)	4293636099 (0xFFEBB003)
YUV	173.9190, -84.2631, 53.5680
Hunter-Lab	69.7993, 5.2189, 43.0319

Details

The Yxy color **48.7194, 0.4726, 0.4623** 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 **9.4488, 0.1584, 0.0894**, and the grayscale version is **42.6841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0059, 0.4204, 0.4659**, and **23.4140, 0.4808, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **48.4307, 0.4737, 0.4621**, and if you desaturate by 10%, it is **51.1863, 0.4630, 0.4630**.

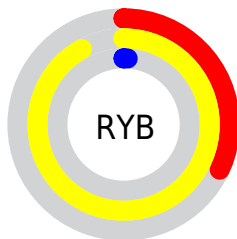
Distribution



Red (92%)

Green (69%)

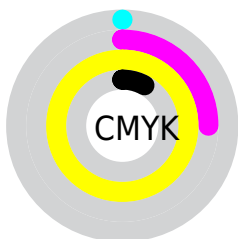
Blue (1%)



Red (32%)

Yellow (92%)

Blue (1%)

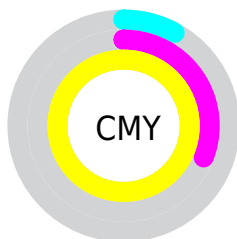


Cyan (0%)

Magenta (25%)

Yellow (99%)

Black (8%)



Cyan (8%)


Magenta (31%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7194, 0.4726, 0.4623 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 48.7194, 0.4726, 0.4623 by changing the saturation by 10% instead.


 48.7194, 0.4726,
0.4623


 48.7194, 0.4726,
0.4623

381.6366, 0.4029,
0.4086


 34.3969, 0.4848,
0.4701


 88.2746, 0.4509,
0.4468


 23.1987, 0.4974,
0.4769


 114.2760, 0.4416,
0.4398


 14.7403, 0.5139,
0.4854


 144.9393, 0.4333,
0.4333

 8.6373, 0.5194,
0.4806

 180.6488, 0.4259,
0.4274

 4.5054, 0.5270,
0.4730

 221.7889, 0.4192,
0.4220

 1.9601, 0.5392,
0.4608

 268.7440, 0.4132,

 0.5841, 0.5753,

0.4171

0.4247

321.8984, 0.4078,
0.4126

■ 0.0000, 0.0000,
0.0000

■ 48.7194, 0.4726,
0.4623

■ 48.7194, 0.4726,
0.4623

■ 48.4307, 0.4737,
0.4621

■ 51.1863, 0.4630,
0.4630

■ 53.8381, 0.4504,
0.4591

■ 56.6994, 0.4350,
0.4504

■ 59.7855, 0.4175,
0.4375

■ 63.1094, 0.3988,
0.4214

■ 66.6829, 0.3797,
0.4032

■ 70.5163, 0.3610,
0.3839

■ 74.6194, 0.3431,
0.3644

■ 79.0013, 0.3263,
0.3452

Harmonies

Analogous

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



48.7194, 0.5189, 0.3885



48.7194, 0.4726, 0.4623



48.7194, 0.3888, 0.5212

Triad

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



48.7194, 0.4726, 0.4623



48.7194, 0.1535, 0.2967



48.7194, 0.3036, 0.2052

Complementary

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



48.7194, 0.4726, 0.4623



9.4488, 0.1584, 0.0894

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.



48.7194, 0.2135, 0.1796



48.7194, 0.4726, 0.4623



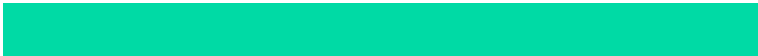
48.7194, 0.1402, 0.2165

Square

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



48.7194, 0.4726, 0.4623



48.7194, 0.2053, 0.4182



48.7194, 0.1599, 0.1813



48.7194, 0.4150, 0.2541

Rectangle

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



48.7194, 0.4726, 0.4623



48.7194, 0.3242, 0.5283



48.7194, 0.1599, 0.1813



48.7194, 0.2698, 0.1938

Sweetspot

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



48.7218, 0.4726, 0.4623



84.2293, 0.3635, 0.3866



18.1052, 0.5879, 0.3020



17.6059, 0.3714, 0.3948



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.



48.7218, 0.4726, 0.4623



58.1659, 0.4740, 0.4619



69.2339, 0.3783, 0.5373



16.9410, 0.3274, 0.3465



27.1660, 0.4726, 0.4629



2.2853, 0.4636, 0.4701

Inverse Universe

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



9.4488, 0.1584, 0.0894



10.9797, 0.1574, 0.0867



6.9318, 0.1628, 0.0675



15.1712, 0.2980, 0.3109



5.2938, 0.1583, 0.0899



0.5659, 0.1656, 0.1161

Previews

White Background



This preview shows how the Yxy color 48.7194, 0.4726, 0.4623 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 48.7194, 0.4726, 0.4623 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 48.7194, 0.4726, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 48.7194, 0.4726, 0.4623.



This preview shows how white text looks on a background with the Yxy color 48.7194, 0.4726, 0.4623.

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

48.7194, 0.4726, 0.4623

Protanopia

48.8485, 0.4397, 0.4859

Deuteranopia

48.7172, 0.4727, 0.4624



Tritanopia

48.7402, 0.3765, 0.3160

Trichromacy



Original Color

48.7194, 0.4726, 0.4623

Protanomaly

48.5357, 0.4521, 0.4771

Deuteranomaly

48.7172, 0.4727, 0.4624

Tritanomaly

47.7228, 0.4313, 0.3890

Monochromacy



Original Color

48.7194, 0.4726, 0.4623

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.5656, 0.3864, 0.4104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7194, 0.4726, 0.4623 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(235, 176, 3)` looks like.

```
.text, #text, p{  
    color:rgb(235, 176, 3)  
}
```

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(235, 176, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 176, 3) }
```

Border

The CSS property to change the border of an element to Yxy 48.7194, 0.4726, 0.4623 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(235, 176, 3) }
```

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

```
.border{ border-color:rgb(235, 176, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 176, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 176, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 176, 3);  
box-shadow:4px 4px 4px 4px rgb(235, 176,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7194, 0.4726, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 176, 3) }
```

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

```
.background{ background-color: rgb(235,  
176, 3) }
```

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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