

Converting Colors

$Y_{xy}(48.1553, 0.4620, 0.4701)$

Have a look what the booklet for
Yxy(48.1553, 0.4620, 0.4701)
contains.

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Color

Yxy(48.0205, 0.4627, 0.4696)

Conversions

Conversions Part 1

Format	Color
Hex	E2B205
RGB	226, 178, 5
RGB Percent	89%, 70%, 2%
CMY	0.1137, 0.3020, 0.9797
CMYK	0.00, 0.21, 0.98, 0.11
HSL	47°, 96%, 45%
HSV	47°, 98%, 89%
XYZ	47.3149, 48.0205, 6.9229
YIQ	172.6300, 84.1410, -43.6270

Conversions

Conversions Part 2

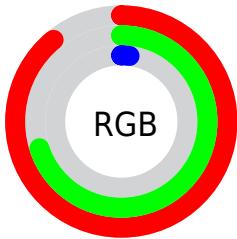
Format	Color
RYB	66, 226, 5
Decimal	14856709
CIELab	74.84, 4.73, 76.79
CIELCh	75, 76.937, 86.478
Yxy	48.0205, 0.4627, 0.4696
Android (android.graphics.Color)	4293046789 (0xFFE2B205)
YUV	172.6300, -82.6416, 46.8055
Hunter-Lab	69.2968, 0.6079, 42.5846

Details

The Yxy color **48.0205, 0.4627, 0.4696** 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 **8.0869, 0.1572, 0.0843**, and the grayscale version is **41.9988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1470, 0.4187, 0.4668**, and **22.9210, 0.4679, 0.4667** is the 20% darker color. If you saturate the color by 10%, you get **47.5666, 0.4645, 0.4694**, and if you desaturate by 10%, it is **50.0846, 0.4542, 0.4691**.

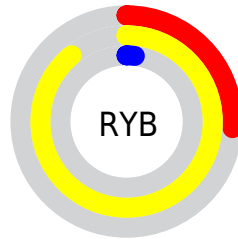
Distribution



Red (89%)

Green (70%)

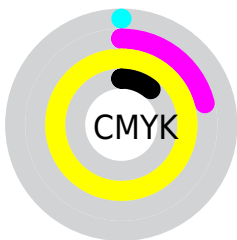
Blue (2%)



Red (26%)

Yellow (89%)

Blue (2%)

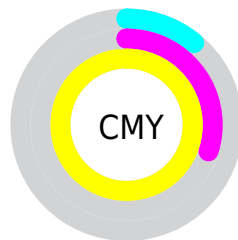


Cyan (0%)

Magenta (21%)

Yellow (98%)

Black (11%)



Cyan (11%)


Magenta (30%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0205, 0.4627, 0.4696 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 48.0205, 0.4627, 0.4696 by changing the saturation by 10% instead.


 48.0205, 0.4627,
0.4696

 48.0205, 0.4627,
0.4696


378.8734, 0.3976,
0.4108


 33.8431, 0.4739,
0.4789


 87.2349, 0.4426,
0.4521

 22.7731, 0.4853,
0.4876


 113.0408, 0.4339,
0.4443


 14.4261, 0.5001,
0.4987


 143.4915, 0.4261,
0.4373

 8.4176, 0.5033,
0.4967

 178.9717, 0.4192,
0.4309

 4.3633, 0.5072,
0.4928

 219.8655, 0.4129,
0.4251

 1.8788, 0.5135,
0.4865

 266.5575, 0.4073,

 0.5356, 0.5383,

0.4199

0.4617

319.4320, 0.4022,
0.4151

■ 0.0000, 0.0000,
0.0000

■ 48.0205, 0.4627,
0.4696

■ 48.0205, 0.4627,
0.4696

■ 47.5666, 0.4645,
0.4694

■ 50.0846, 0.4542,
0.4691

■ 52.2965, 0.4427,
0.4640

■ 54.6762, 0.4285,
0.4542

■ 57.2369, 0.4121,
0.4403

■ 59.9899, 0.3945,
0.4233

■ 62.9451, 0.3763,
0.4043

■ 66.1117, 0.3582,
0.3841

■ 69.4980, 0.3409,
0.3638

■ 73.1118, 0.3245,
0.3438

Harmonies

Analogous

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



48.0205, 0.5140, 0.3970



48.0205, 0.4627, 0.4696



48.0205, 0.3773, 0.5226

Triad

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



48.0205, 0.4627, 0.4696



48.0205, 0.1518, 0.2854



48.0205, 0.3164, 0.2112

Complementary

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



48.0205, 0.4627, 0.4696



8.0869, 0.1572, 0.0843

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.



48.0205, 0.2235, 0.1827



48.0205, 0.4627, 0.4696



48.0205, 0.1426, 0.2117

Square

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



48.0205, 0.4627, 0.4696



48.0205, 0.1985, 0.4021



48.0205, 0.1660, 0.1811



48.0205, 0.4261, 0.2620

Rectangle

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



48.0205, 0.4627, 0.4696



48.0205, 0.3130, 0.5222



48.0205, 0.1660, 0.1811



48.0205, 0.2819, 0.1989

Sweetspot

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



48.0229, 0.4627, 0.4696



86.2870, 0.3609, 0.3872



16.5748, 0.5947, 0.3066



18.0827, 0.3686, 0.3958



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.



48.0229, 0.4627, 0.4696



62.3681, 0.4648, 0.4691



62.6376, 0.3730, 0.5410



15.4974, 0.3273, 0.3472



27.3155, 0.4636, 0.4701



2.0203, 0.4554, 0.4766

Inverse Universe

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



8.0869, 0.1572, 0.0843



9.9937, 0.1556, 0.0800



6.6955, 0.1674, 0.0705



13.7239, 0.2981, 0.3101



4.5348, 0.1564, 0.0831



0.4459, 0.1643, 0.1115

Previews

White Background



This preview shows how the Yxy color 48.0205, 0.4627, 0.4696 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 48.0205, 0.4627, 0.4696 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 48.0205, 0.4627, 0.4696

Background



This preview shows how black text looks on a background with the Yxy color 48.0205, 0.4627, 0.4696.



This preview shows how white text looks on a background with the Yxy color 48.0205, 0.4627, 0.4696.

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

48.0205, 0.4627, 0.4696

Protanopia

48.1344, 0.4391, 0.4866

Deuteranopia

48.0153, 0.4707, 0.4611



Tritanopia

47.7868, 0.3669, 0.3145

Trichromacy



Original Color

48.0205, 0.4627, 0.4696

Protanomaly

47.9249, 0.4485, 0.4797

Deuteranomaly

47.8978, 0.4675, 0.4644

Tritanomaly

47.1431, 0.4210, 0.3911

Monochromacy



Original Color

48.0205, 0.4627, 0.4696

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.0363, 0.3825, 0.4116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0205, 0.4627, 0.4696 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(226, 178, 5)` looks like.

```
.text, #text, p{  
    color:rgb(226, 178, 5)  
}
```

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(226, 178, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 178, 5) }
```

Border

The CSS property to change the border of an element to Yxy 48.0205, 0.4627, 0.4696 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(226, 178, 5) }
```

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

```
.border{ border-color:rgb(226, 178, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 178, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 178, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 178, 5);  
box-shadow:4px 4px 4px 4px rgb(226, 178,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0205, 0.4627, 0.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 178, 5) }
```

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

```
.background{ background-color: rgb(226,  
178, 5) }
```

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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