

Converting Colors

$Y_{xy}(48.2282, 0.4704, 0.4647)$

Have a look what the booklet for
Yxy(48.2282, 0.4704, 0.4647)
contains.

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Color

Yxy(48.2065, 0.4704, 0.4647)

Conversions

Conversions Part 1

Format	Color
Hex	E8B000
RGB	232, 176, 0
RGB Percent	91%, 69%, 0%
CMY	0.0903, 0.3097, 1.0000
CMYK	0.00, 0.24, 1.00, 0.09
HSL	46°, 100%, 45%
HSV	46°, 100%, 91%
XYZ	48.7978, 48.2065, 6.7325
YIQ	172.6800, 89.8720, -42.8640

Conversions

Conversions Part 2

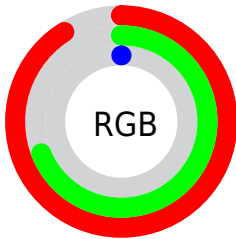
Format	Color
R _Y B	74, 232, 0
Decimal	15249408
CIE Lab	74.95, 8.32, 77.73
CIE LCh	75, 78.176, 83.892
Yxy	48.2065, 0.4704, 0.4647
Android (android.graphics.Color)	4293439488 (0xFFE8B000)
YUV	172.6800, -85.1312, 52.0236
Hunter-Lab	69.4309, 3.9503, 42.8524

Details

The Yxy color **48.2065, 0.4704, 0.4647** 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 **8.6494, 0.1570, 0.0850**, and the grayscale version is **42.0265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9910, 0.4208, 0.4665**, and **23.0732, 0.4775, 0.4590** is the 20% darker color. If you saturate the color by 10%, you get **48.2083, 0.4704, 0.4647**, and if you desaturate by 10%, it is **50.5117, 0.4614, 0.4655**.

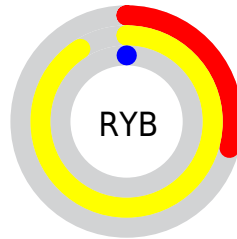
Distribution



Red (91%)

Green (69%)

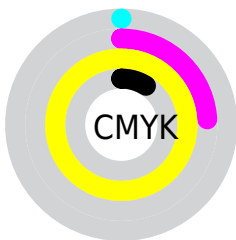
Blue (0%)



Red (29%)

Yellow (91%)

Blue (0%)

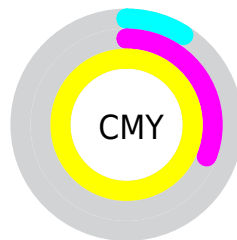


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (31%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2065, 0.4704, 0.4647 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 48.2065, 0.4704, 0.4647 by changing the saturation by 10% instead.

 48.2065, 0.4704,
0.4647


 48.2065, 0.4704,
0.4647


 379.6101, 0.4018,
0.4095

 33.9904, 0.4824,
0.4729


 87.5118, 0.4491,
0.4487


 22.8863, 0.4946,
0.4801


 113.3698, 0.4400,
0.4414


 14.5095, 0.5107,
0.4893


 143.8773, 0.4318,
0.4348

 8.4759, 0.5152,
0.4848

 179.4186, 0.4244,
0.4287

 4.4010, 0.5218,
0.4782

 220.3781, 0.4179,
0.4232

 1.9003, 0.5326,
0.4674

 267.1403, 0.4119,

 0.5485, 0.5691,

0.4182

0.4309

320.0895, 0.4066,
0.4136

0.0000, 0.0000,
0.0000

48.2065, 0.4704,
0.4647

48.2065, 0.4704,
0.4647

48.2083, 0.4704,
0.4647

50.5117, 0.4614,
0.4655

52.9812, 0.4497,
0.4619

55.6421, 0.4352,
0.4535

58.5095, 0.4184,
0.4409

61.5961, 0.4002,
0.4249

■ 64.9129, 0.3815,
0.4067

■ 68.4703, 0.3629,
0.3872

■ 72.2775, 0.3450,
0.3673

■ 76.3432, 0.3282,
0.3478

Harmonies

Analogous

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



48.2065, 0.5185, 0.3909



48.2065, 0.4704, 0.4647



48.2065, 0.3858, 0.5225

Triad

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



48.2065, 0.4704, 0.4647



48.2065, 0.1524, 0.2932



48.2065, 0.3070, 0.2064

Complementary

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



48.2065, 0.4704, 0.4647



8.6494, 0.1570, 0.0850

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.



48.2065, 0.2158, 0.1799



48.2065, 0.4704, 0.4647



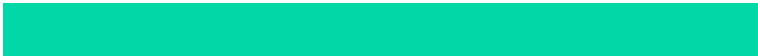
48.2065, 0.1402, 0.2147

Square

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



48.2065, 0.4704, 0.4647



48.2065, 0.2029, 0.4142



48.2065, 0.1610, 0.1807



48.2065, 0.4186, 0.2560

Rectangle

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



48.2065, 0.4704, 0.4647



48.2065, 0.3210, 0.5278



48.2065, 0.1610, 0.1807



48.2065, 0.2729, 0.1947

Sweetspot

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



48.2089, 0.4704, 0.4647



84.8005, 0.3632, 0.3875



17.4570, 0.5964, 0.3059



17.7433, 0.3710, 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.



48.2089, 0.4704, 0.4647



59.6161, 0.4707, 0.4645



66.6948, 0.3751, 0.5404



16.1971, 0.3273, 0.3467



26.9757, 0.4694, 0.4655



2.1351, 0.4605, 0.4725

Inverse Universe

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



8.6494, 0.1570, 0.0850



10.6124, 0.1567, 0.0842



6.7243, 0.1634, 0.0674



14.4489, 0.2980, 0.3106



4.9665, 0.1576, 0.0875



0.5094, 0.1653, 0.1149

Previews

White Background



This preview shows how the Yxy color 48.2065, 0.4704, 0.4647 looks on a white background.

Color Contrast Check

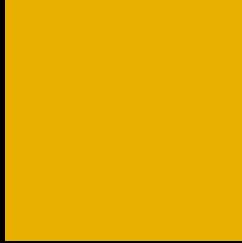
Large Text (above 18pt) WCAG AA × Fail

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 48.2065, 0.4704, 0.4647 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 48.2065, 0.4704, 0.4647

Background



This preview shows how black text looks on a background with the Yxy color 48.2065, 0.4704, 0.4647.



This preview shows how white text looks on a background with the Yxy color 48.2065, 0.4704, 0.4647.

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

48.2065, 0.4704, 0.4647

Protanopia

48.2798, 0.4399, 0.4859

Deuteranopia

48.1677, 0.4724, 0.4615



Tritanopia

48.3863, 0.3747, 0.3159

Trichromacy



Original Color

48.2065, 0.4704, 0.4647

Protanomaly

48.2251, 0.4505, 0.4786

Deuteranomaly

47.9923, 0.4719, 0.4626

Tritanomaly

47.3523, 0.4304, 0.3905

Monochromacy



Original Color

48.2065, 0.4704, 0.4647

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.8672, 0.3866, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2065, 0.4704, 0.4647 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(232, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 176, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.2065, 0.4704, 0.4647 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(232, 176, 0) }
```

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

```
.border{ border-color:rgb(232, 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(232, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 176,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2065, 0.4704, 0.4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 176, 0) }
```

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

```
.background{ background-color: rgb(232,  
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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