

Converting Colors

$Y_{xy}(48.1078, 0.4404, 0.4886)$

Have a look what the booklet for
Yxy(48.1078, 0.4404, 0.4886)
contains.

Yxy(48.1078, 0.4404, 0.4886)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.1078, 0.4404, 0.4886)

Conversions

Conversions Part 1

Format	Color
Hex	D0B900
RGB	208, 185, 0
RGB Percent	82%, 73%, 0%
CMY	0.1843, 0.2745, 1.0000
CMYK	0.00, 0.11, 1.00, 0.18
HSL	53°, 100%, 41%
HSV	53°, 100%, 82%
XYZ	43.3620, 48.1078, 6.9907
YIQ	170.7870, 73.0930, -52.6590

Conversions

Conversions Part 2

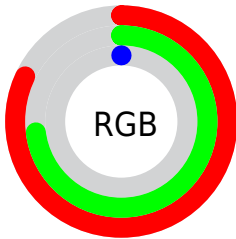
Format	Color
R_YB	26, 208, 0
Decimal	13678848
CIE _{Lab}	74.89, -6.87, 76.63
CIE _{LCh}	75, 76.934, 95.122
Yxy	48.1078, 0.4404, 0.4886
Android (android.graphics.Color)	4291868928 (0xFFD0B900)
YUV	170.7870, -84.1980, 32.6358
Hunter-Lab	69.3598, -9.7859, 42.5761

Details

The Yxy color **48.1078, 0.4404, 0.4886** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed orange. A complement of this color would be **5.1675, 0.1520, 0.0672**, and the grayscale version is **41.0179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7647, 0.4140, 0.4731**, and **22.8921, 0.4405, 0.4884** is the 20% darker color. If you saturate the color by 10%, you get **48.1108, 0.4404, 0.4886**, and if you desaturate by 10%, it is **49.1346, 0.4356, 0.4866**.

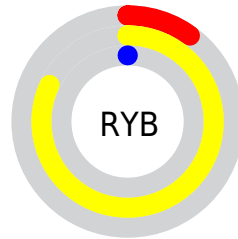
Distribution



Red (82%)

Green (73%)

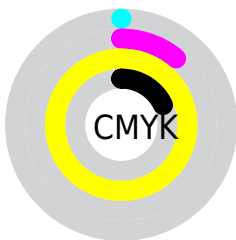
Blue (0%)



Red (10%)

Yellow (82%)

Blue (0%)

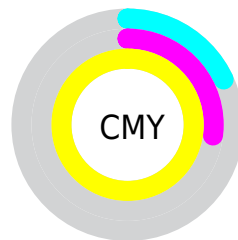


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1078, 0.4404, 0.4886 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 48.1078, 0.4404, 0.4886 by changing the saturation by 10% instead.

 48.1078, 0.4404,
0.4886


 48.1078, 0.4404,
0.4886


379.2193, 0.3868,
0.4179

 33.9123, 0.4488,
0.5013


 87.3649, 0.4244,
0.4663


 22.8262, 0.4566,
0.5143


 113.1952, 0.4173,
0.4569


 14.4652, 0.4665,
0.5315


 143.6726, 0.4109,
0.4485

 8.4449, 0.4635,
0.5365

 179.1815, 0.4050,
0.4409

 4.3810, 0.4576,
0.5424

 220.1062, 0.3998,
0.4342

 1.8889, 0.4478,
0.5522

 266.8311, 0.3950,

 0.5417, 0.3906,

0.4282

0.6094

319.7407, 0.3907,
0.4228

■ 0.0000, 0.0000,
0.0000

■ 48.1078, 0.4404,
0.4886

■ 48.1078, 0.4404,
0.4886

■ 48.1108, 0.4404,
0.4886

■ 49.1346, 0.4356,
0.4866

■ 50.2316, 0.4284,
0.4808

■ 51.4213, 0.4184,
0.4706

■ 52.7143, 0.4060,
0.4562

■ 54.1196, 0.3917,
0.4383

■ 55.6451, 0.3761,
0.4179

■ 57.2978, 0.3599,
0.3959

■ 59.0843, 0.3436,
0.3733

■ 61.0105, 0.3278,
0.3508

Harmonies

Analogous

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



48.1078, 0.5042, 0.4181



48.1078, 0.4404, 0.4886



48.1078, 0.3497, 0.5272

Triad

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



48.1078, 0.4404, 0.4886



48.1078, 0.1457, 0.2592



48.1078, 0.3480, 0.2239

Complementary

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



48.1078, 0.4404, 0.4886



5.1675, 0.1520, 0.0672

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.



48.1078, 0.2469, 0.1884



48.1078, 0.4404, 0.4886



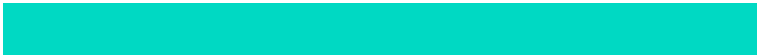
48.1078, 0.1461, 0.1991

Square

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



48.1078, 0.4404, 0.4886



48.1078, 0.1810, 0.3659



48.1078, 0.1789, 0.1787



48.1078, 0.4542, 0.2796

Rectangle

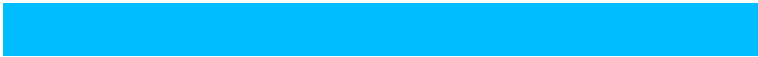
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1078, 0.4404, 0.4886



48.1078, 0.2854, 0.5086



48.1078, 0.1789, 0.1787



48.1078, 0.3116, 0.2094

Sweetspot

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



48.1108, 0.4404, 0.4886



90.7346, 0.3604, 0.3967



13.4783, 0.6270, 0.3227



19.1770, 0.3674, 0.4062



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.



48.1108, 0.4404, 0.4886



76.0875, 0.4406, 0.4883



49.7266, 0.3533, 0.5577



13.5649, 0.3269, 0.3495



30.0705, 0.4400, 0.4888



1.7465, 0.4357, 0.4922

Inverse Universe

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



5.1675, 0.1520, 0.0672



8.0601, 0.1517, 0.0662



6.2486, 0.1811, 0.0771



11.6252, 0.2982, 0.3077



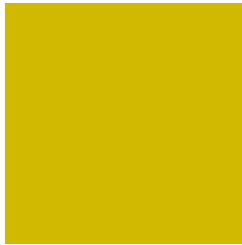
3.2911, 0.1524, 0.0685



0.2567, 0.1587, 0.0914

Previews

White Background



This preview shows how the Yxy color 48.1078, 0.4404, 0.4886 looks on a white background.

Color Contrast Check

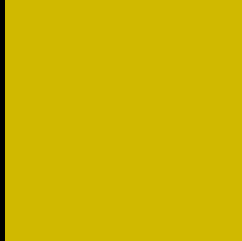
Large Text (above 18pt) WCAG AA × Fail

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 48.1078, 0.4404, 0.4886 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 48.1078, 0.4404, 0.4886

Background



This preview shows how black text looks on a background with the Yxy color 48.1078, 0.4404, 0.4886.

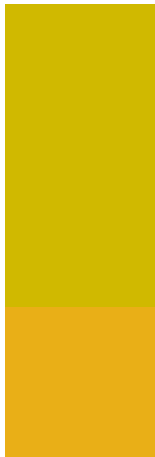


This preview shows how white text looks on a background with the Yxy color 48.1078, 0.4404, 0.4886.

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

48.1078, 0.4404, 0.4886

Protanopia

48.1078, 0.4404, 0.4886

Deuteranopia

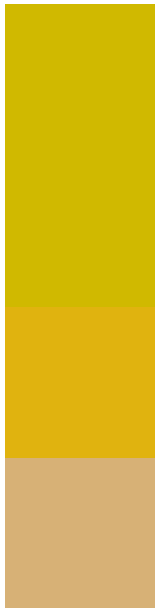
48.0454, 0.4692, 0.4592



Tritanopia

48.0679, 0.3442, 0.3138

Trichromacy



Original Color

48.1078, 0.4404, 0.4886

Protanomaly

48.1078, 0.4404, 0.4886

Deuteranomaly

48.1220, 0.4588, 0.4702

Tritanomaly

47.1994, 0.3985, 0.4000

Monochromacy



Original Color

48.1078, 0.4404, 0.4886

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.3451, 0.3766, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1078, 0.4404, 0.4886 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(208, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 185, 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(208, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 185, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.1078, 0.4404, 0.4886 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(208, 185, 0) }
```

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

```
.border{ border-color:rgb(208, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 185,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1078, 0.4404, 0.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 185, 0) }
```

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

```
.background{ background-color: rgb(208,  
185, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor