

Converting Colors

$Yxy(48.6165, 0.4398, 0.4885)$

Have a look what the booklet for
Yxy(48.6165, 0.4398, 0.4885)
contains.

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Color

Yxy(48.6775, 0.4400, 0.4883)

Conversions

Conversions Part 1

Format	Color
Hex	D1BA02
RGB	209, 186, 2
RGB Percent	82%, 73%, 1%
CMY	0.1804, 0.2706, 0.9912
CMYK	0.00, 0.11, 0.99, 0.18
HSL	53°, 98%, 41%
HSV	53°, 99%, 82%
XYZ	43.8626, 48.6775, 7.1476
YIQ	171.9010, 72.7720, -52.3480

Conversions

Conversions Part 2

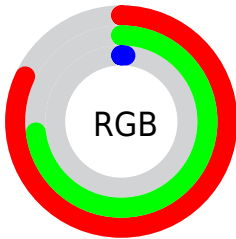
Format	Color
RYB	28, 209, 2
Decimal	13744642
CIELab	75.25, -6.93, 76.65
CIELCh	75, 76.961, 95.169
Yxy	48.6775, 0.4400, 0.4883
Android (android.graphics.Color)	4291934722 (0xFFD1BA02)
YUV	171.9010, -83.7612, 32.5358
Hunter-Lab	69.7693, -9.8767, 42.7644

Details

The Yxy color **48.6775, 0.4400, 0.4883** 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 **5.3218, 0.1526, 0.0683**, and the grayscale version is **41.6211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3735, 0.4130, 0.4732**, and **23.2591, 0.4404, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **48.5702, 0.4405, 0.4885**, and if you desaturate by 10%, it is **49.7240, 0.4350, 0.4861**.

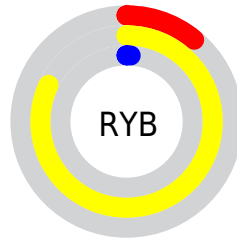
Distribution



Red (82%)

Green (73%)

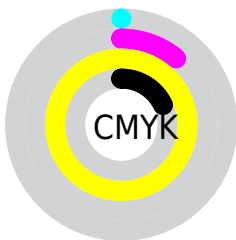
Blue (1%)



Red (11%)

Yellow (82%)

Blue (1%)

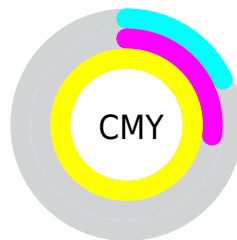


Cyan (0%)

Magenta (11%)

Yellow (99%)

Black (18%)



Cyan (18%)


Magenta (27%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6775, 0.4400, 0.4883 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 48.6775, 0.4400, 0.4883 by changing the saturation by 10% instead.


 48.6775, 0.4400,
0.4883


 48.6775, 0.4400,
0.4883


381.4713, 0.3866,
0.4178


 34.3637, 0.4484,
0.5009

 88.2123, 0.4241,
0.4661

 23.1732, 0.4562,
0.5140


 114.2021, 0.4170,
0.4567

 14.7214, 0.4658,
0.5308


 144.8527, 0.4106,
0.4483

 8.6241, 0.4634,
0.5366

 180.5484, 0.4048,
0.4408

 4.4968, 0.4576,
0.5424

 221.6738, 0.3996,
0.4341

 1.9552, 0.4479,
0.5521

 268.6131, 0.3948,

 0.5812, 0.3973,

0.4281

0.6027

321.7508, 0.3905,
0.4227

■ 0.0000, 0.0000,
0.0000

■ 48.6775, 0.4400,
0.4883

■ 48.6775, 0.4400,
0.4883

■ 48.5702, 0.4405,
0.4885

■ 49.7240, 0.4350,
0.4861

■ 50.8464, 0.4275,
0.4799

■ 52.0639, 0.4173,
0.4692

■ 53.3871, 0.4046,
0.4544

■ 54.8248, 0.3901,
0.4362

■ 56.3850, 0.3744,
0.4155

■ 58.0748, 0.3581,
0.3935

■ 59.9006, 0.3419,
0.3708

■ 61.8685, 0.3261,
0.3484

Harmonies

Analogous

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



48.6775, 0.5036, 0.4181



48.6775, 0.4400, 0.4883



48.6775, 0.3496, 0.5265

Triad

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



48.6775, 0.4400, 0.4883



48.6775, 0.1461, 0.2593



48.6775, 0.3481, 0.2243

Complementary

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



48.6775, 0.4400, 0.4883



5.3218, 0.1526, 0.0683

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.



48.6775, 0.2472, 0.1888



48.6775, 0.4400, 0.4883



48.6775, 0.1466, 0.1995

Square

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



48.6775, 0.4400, 0.4883



48.6775, 0.1814, 0.3656



48.6775, 0.1794, 0.1791



48.6775, 0.4539, 0.2799

Rectangle

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



48.6775, 0.4400, 0.4883



48.6775, 0.2854, 0.5077



48.6775, 0.1794, 0.1791



48.6775, 0.3118, 0.2098

Sweetspot

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



48.6798, 0.4400, 0.4883



90.7094, 0.3605, 0.3966



13.6781, 0.6248, 0.3224



19.1709, 0.3674, 0.4061



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.



48.6798, 0.4400, 0.4883



76.0125, 0.4407, 0.4882



50.3238, 0.3537, 0.5567



13.5638, 0.3269, 0.3495



30.0417, 0.4401, 0.4887



1.7452, 0.4358, 0.4922

Inverse Universe

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



5.3218, 0.1526, 0.0683



8.0667, 0.1518, 0.0663



6.4225, 0.1822, 0.0782



11.6262, 0.2982, 0.3077



3.2941, 0.1524, 0.0685



0.2571, 0.1588, 0.0915

Previews

White Background



This preview shows how the Yxy color 48.6775, 0.4400, 0.4883 looks on a white background.

Color Contrast Check

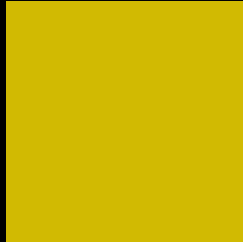
Large Text (above 18pt) WCAG AA × Fail

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 48.6775, 0.4400, 0.4883 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 48.6775, 0.4400, 0.4883

Background



This preview shows how black text looks on a background with the Yxy color 48.6775, 0.4400, 0.4883.

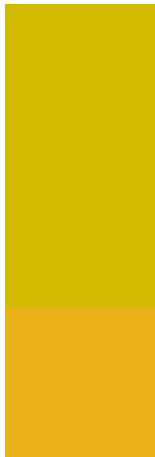


This preview shows how white text looks on a background with the Yxy color 48.6775, 0.4400, 0.4883.

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

48.6775, 0.4400, 0.4883

Protanopia

48.6775, 0.4400, 0.4883

Deuteranopia

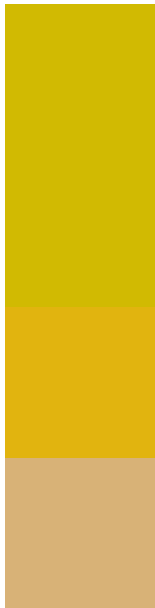
48.6050, 0.4689, 0.4594



Tritanopia

48.6480, 0.3440, 0.3139

Trichromacy



Original Color

48.6775, 0.4400, 0.4883

Protanomaly

48.6775, 0.4400, 0.4883

Deuteranomaly

48.6846, 0.4586, 0.4704

Tritanomaly

47.7716, 0.3980, 0.3997

Monochromacy



Original Color

48.6775, 0.4400, 0.4883

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.8844, 0.3763, 0.4187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6775, 0.4400, 0.4883 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(209, 186, 2)` looks like.

```
.text, #text, p{  
    color:rgb(209, 186, 2)  
}
```

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(209, 186, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 186, 2) }
```

Border

The CSS property to change the border of an element to Yxy 48.6775, 0.4400, 0.4883 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(209, 186, 2) }
```

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

```
.border{ border-color:rgb(209, 186, 2) }
```

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

Here you see how a box with a 4 pixel rgb(209, 186, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 186, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 186, 2);  
box-shadow:4px 4px 4px 4px rgb(209, 186,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6775, 0.4400, 0.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 186, 2) }
```

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

```
.background{ background-color: rgb(209,  
186, 2) }
```

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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