

Converting Colors

$Y_{xy}(48.4553, 0.4583, 0.4743)$

Have a look what the booklet for
Yxy(48.4553, 0.4583, 0.4743)
contains.

Yxy(48.3305, 0.4586, 0.4741)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.3305, 0.4586, 0.4741)

Conversions

Conversions Part 1

Format	Color
Hex	DFB400
RGB	223, 180, 0
RGB Percent	87%, 71%, 0%
CMY	0.1255, 0.2941, 1.0000
CMYK	0.00, 0.19, 1.00, 0.13
HSL	48°, 100%, 44%
HSV	48°, 100%, 87%
XYZ	46.7504, 48.3305, 6.8607
YIQ	172.3370, 83.4080, -46.8640

Conversions

Conversions Part 2

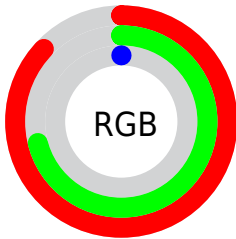
Format	Color
RYB	53, 223, 0
Decimal	14660608
CIELab	75.03, 2.30, 77.37
CIElCh	75, 77.402, 88.295
Yxy	48.3305, 0.4586, 0.4741
Android (android.graphics.Color)	4292850688 (0xFFDFB400)
YUV	172.3370, -84.9621, 44.4315
Hunter-Lab	69.5201, -1.6238, 42.8130

Details

The Yxy color **48.3305, 0.4586, 0.4741** 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 **7.0537, 0.1547, 0.0770**, and the grayscale version is **41.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2707, 0.4178, 0.4688**, and **23.2249, 0.4627, 0.4708** is the 20% darker color. If you saturate the color by 10%, you get **48.3331, 0.4586, 0.4741**, and if you desaturate by 10%, it is **50.1548, 0.4513, 0.4737**.

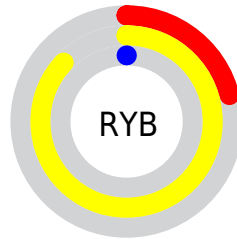
Distribution



Red (87%)

Green (71%)

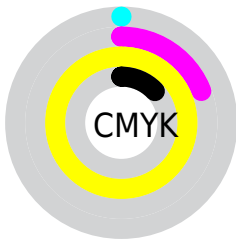
Blue (0%)



Red (21%)

Yellow (87%)

Blue (0%)

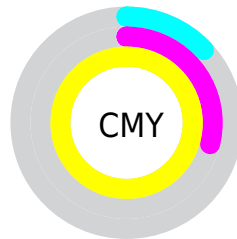


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3305, 0.4586, 0.4741 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 48.3305, 0.4586, 0.4741 by changing the saturation by 10% instead.


 48.3305, 0.4586,
0.4741

 48.3305, 0.4586,
0.4741


380.1007, 0.3959,
0.4129


 34.0887, 0.4692,
0.4840


 87.6963, 0.4394,
0.4557


 22.9617, 0.4797,
0.4935


 113.5890, 0.4310,
0.4475


 14.5653, 0.4935,
0.5058


 144.1342, 0.4235,
0.4402

 8.5148, 0.4951,
0.5049

 179.7163, 0.4168,
0.4336

 4.4261, 0.4970,
0.5030

 220.7195, 0.4107,
0.4276

 1.9147, 0.5001,
0.4999

 267.5284, 0.4053,

 0.5572, 0.5125,

0.4222

0.4875

320.5273, 0.4004,
0.4173

■ 0.0000, 0.0000,
0.0000

■ 48.3305, 0.4586,
0.4741

■ 48.3305, 0.4586,
0.4741

■ 48.3331, 0.4586,
0.4741

■ 50.1548, 0.4513,
0.4737

■ 52.0991, 0.4414,
0.4693

■ 54.1884, 0.4287,
0.4601

■ 56.4358, 0.4136,
0.4468

■ 58.8525, 0.3970,
0.4300

■ 61.4481, 0.3794,
0.4109

■ 64.2314, 0.3618,
0.3905

■ 67.2104, 0.3445,
0.3696

■ 70.3926, 0.3281,
0.3489

Harmonies

Analogous

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



48.3305, 0.5130, 0.4015



48.3305, 0.4586, 0.4741



48.3305, 0.3716, 0.5249

Triad

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



48.3305, 0.4586, 0.4741



48.3305, 0.1497, 0.2792



48.3305, 0.3229, 0.2133

Complementary

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



48.3305, 0.4586, 0.4741



7.0537, 0.1547, 0.0770

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.



48.3305, 0.2278, 0.1833



48.3305, 0.4586, 0.4741



48.3305, 0.1426, 0.2084

Square

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



48.3305, 0.4586, 0.4741



48.3305, 0.1941, 0.3947



48.3305, 0.1680, 0.1800



48.3305, 0.4328, 0.2654

Rectangle

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



48.3305, 0.4586, 0.4741



48.3305, 0.3070, 0.5209



48.3305, 0.1680, 0.1800



48.3305, 0.2879, 0.2006

Sweetspot

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



48.3331, 0.4586, 0.4741



86.9646, 0.3622, 0.3909



15.8731, 0.6100, 0.3134



18.2648, 0.3696, 0.3997



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.



48.3331, 0.4586, 0.4741



65.3296, 0.4589, 0.4738



59.8484, 0.3667, 0.5471



15.5570, 0.3272, 0.3478



28.5808, 0.4579, 0.4746



2.0977, 0.4509, 0.4802

Inverse Universe

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



7.0537, 0.1547, 0.0770



9.4293, 0.1545, 0.0760



6.5170, 0.1691, 0.0705



13.6688, 0.2981, 0.3095



4.2718, 0.1553, 0.0790



0.4199, 0.1628, 0.1061

Previews

White Background



This preview shows how the Yxy color 48.3305, 0.4586, 0.4741 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 48.3305, 0.4586, 0.4741 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 48.3305, 0.4586, 0.4741

Background



This preview shows how black text looks on a background with the Yxy color 48.3305, 0.4586, 0.4741.

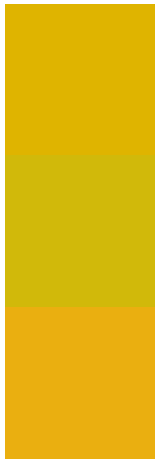


This preview shows how white text looks on a background with the Yxy color 48.3305, 0.4586, 0.4741.

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

48.3305, 0.4586, 0.4741

Protanopia

48.2751, 0.4402, 0.4863

Deuteranopia

48.1898, 0.4712, 0.4601



Tritanopia

48.0885, 0.3617, 0.3144

Trichromacy



Original Color

48.3305, 0.4586, 0.4741

Protanomaly

48.1763, 0.4470, 0.4818

Deuteranomaly

48.2892, 0.4666, 0.4654

Tritanomaly

47.4009, 0.4170, 0.3941

Monochromacy



Original Color

48.3305, 0.4586, 0.4741

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.8404, 0.3840, 0.4157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3305, 0.4586, 0.4741 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(223, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 180, 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(223, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 180, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.3305, 0.4586, 0.4741 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(223, 180, 0) }
```

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

```
.border{ border-color:rgb(223, 180, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 180, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 180,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3305, 0.4586, 0.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 180, 0) }
```

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

```
.background{ background-color: rgb(223,  
180, 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