

Converting Colors

$Y_{xy}(46.0307, 0.4546, 0.4689)$

Have a look what the booklet for
Yxy(46.0307, 0.4546, 0.4689)
contains.

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Color

Yxy(46.0307, 0.4546, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	DAB01A
RGB	218, 176, 26
RGB Percent	85%, 69%, 10%
CMY	0.1451, 0.3098, 0.8980
CMYK	0.00, 0.19, 0.88, 0.15
HSL	47°, 79%, 48%
HSV	47°, 88%, 85%
XYZ	44.6269, 46.0307, 7.5098
YIQ	171.4580, 73.1820, -37.7460

Conversions

Conversions Part 2

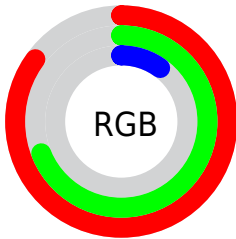
Format	Color
R _Y B	80, 218, 26
Decimal	14331930
CIE Lab	73.57, 2.56, 72.40
CIE LCh	74, 72.448, 87.975
Yxy	46.0307, 0.4546, 0.4689
Android (android.graphics.Color)	4292522010 (0xFFDAB01A)
YUV	171.4580, -71.7108, 40.8173
Hunter-Lab	67.8459, -1.3187, 40.9294

Details

The Yxy color **46.0307, 0.4546, 0.4689** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **9.4174, 0.1648, 0.1025**, and the grayscale version is **41.3099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1331, 0.4171, 0.4609**, and **21.6844, 0.4627, 0.4708** is the 20% darker color. If you saturate the color by 10%, you get **44.1299, 0.4632, 0.4694**, and if you desaturate by 10%, it is **48.0735, 0.4431, 0.4639**.

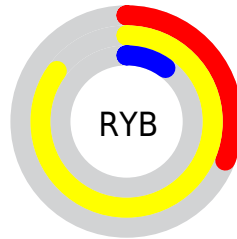
Distribution



Red (85%)

Green (69%)

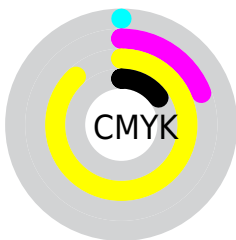
Blue (10%)



Red (31%)

Yellow (85%)

Blue (10%)

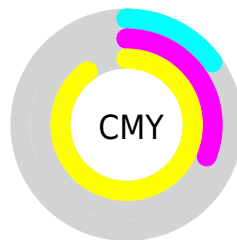


Cyan (0%)

Magenta (19%)

Yellow (88%)

Black (15%)



Cyan (15%)


Magenta (31%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0307, 0.4546, 0.4689 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 46.0307, 0.4546, 0.4689 by changing the saturation by 10% instead.

 46.0307, 0.4546,
0.4689

 46.0307, 0.4546,
0.4689

370.9321, 0.3919,
0.4082


 32.2700, 0.4658,
0.4793

 84.2649, 0.4349,
0.4502


 21.5678, 0.4773,
0.4895


 109.5073, 0.4265,
0.4421


 13.5397, 0.4913,
0.5017


 139.3457, 0.4190,
0.4348

 7.8012, 0.4962,
0.5038

 174.1646, 0.4123,
0.4283

 3.9680, 0.4985,
0.5015

 214.3482, 0.4064,
0.4225

 1.6557, 0.5022,
0.4978

 260.2811, 0.4010,

 0.3947, 0.5258,

0.4172

0.4742

312.3476, 0.3962,
0.4125

■ 0.0000, 0.0000,
0.0000

■ 46.0307, 0.4546,
0.4689

■ 46.0307, 0.4546,
0.4689

■ 44.1299, 0.4632,
0.4694

■ 48.0735, 0.4431,
0.4639

■ 43.7738, 0.4647,
0.4692

■ 50.2687, 0.4289,
0.4542

■ 52.6306, 0.4126,
0.4405

■ 55.1696, 0.3950,
0.4236

■ 57.8949, 0.3768,
0.4047

■ 60.8148, 0.3588,
0.3847

■ 63.9370, 0.3414,
0.3644

■ 67.2687, 0.3251,
0.3445

■ 70.8166, 0.3099,
0.3254

Harmonies

Analogous

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



46.0307, 0.5051, 0.3998



46.0307, 0.4546, 0.4689



46.0307, 0.3717, 0.5156

Triad

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



46.0307, 0.4546, 0.4689



46.0307, 0.1564, 0.2833



46.0307, 0.3217, 0.2174

Complementary

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



46.0307, 0.4546, 0.4689



9.4174, 0.1648, 0.1025

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.



46.0307, 0.2308, 0.1885



46.0307, 0.4546, 0.4689



46.0307, 0.1487, 0.2143

Square

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



46.0307, 0.4546, 0.4689



46.0307, 0.2003, 0.3929



46.0307, 0.1731, 0.1858



46.0307, 0.4261, 0.2677

Rectangle

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



46.0307, 0.4546, 0.4689



46.0307, 0.3095, 0.5109



46.0307, 0.1731, 0.1858



46.0307, 0.2883, 0.2051

Sweetspot

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



46.0330, 0.4546, 0.4689



87.5335, 0.3555, 0.3809



16.0980, 0.5638, 0.2984



18.4134, 0.3617, 0.3880



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.



46.0330, 0.4546, 0.4689



62.2054, 0.4652, 0.4689



58.4154, 0.3753, 0.5327



14.7553, 0.3272, 0.3472



26.3881, 0.4639, 0.4699



1.8317, 0.4552, 0.4768

Inverse Universe

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



9.4174, 0.1648, 0.1025



10.0276, 0.1556, 0.0802



7.3877, 0.1781, 0.0817



13.0768, 0.2981, 0.3102



4.4147, 0.1566, 0.0835



0.4145, 0.1650, 0.1139

Previews

White Background



This preview shows how the Yxy color 46.0307, 0.4546, 0.4689 looks on a white background.

Color Contrast Check

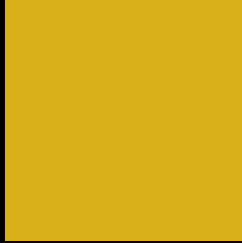
Large Text (above 18pt) WCAG AA × Fail

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 46.0307, 0.4546, 0.4689 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 46.0307, 0.4546, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 46.0307, 0.4546, 0.4689.



This preview shows how white text looks on a background with the Yxy color 46.0307, 0.4546, 0.4689.

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

46.0307, 0.4546, 0.4689

Protanopia

45.9690, 0.4365, 0.4819

Deuteranopia

46.0928, 0.4664, 0.4576



Tritanopia

46.0164, 0.3616, 0.3152

Trichromacy



Original Color

46.0307, 0.4546, 0.4689

Protanomaly

45.8746, 0.4433, 0.4772

Deuteranomaly

45.8231, 0.4622, 0.4614

Tritanomaly

45.2330, 0.4094, 0.3843

Monochromacy



Original Color

46.0307, 0.4546, 0.4689

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.8865, 0.3745, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0307, 0.4546, 0.4689 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(218, 176, 26)` looks like.

```
.text, #text, p{  
    color:rgb(218, 176, 26)  
}
```

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(218, 176, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 176, 26) }
```

Border

The CSS property to change the border of an element to Yxy 46.0307, 0.4546, 0.4689 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(218, 176, 26) }
```

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

```
.border{ border-color:rgb(218, 176, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 176, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 176, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 176, 26);  
box-shadow:4px 4px 4px 4px rgb(218, 176,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0307, 0.4546, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 176, 26) }
```

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

```
.background{ background-color: rgb(218,  
176, 26) }
```

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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