

Converting Colors

Yxy(46.4821, 0.4383, 0.4848)

Have a look what the booklet for
Yxy(46.4821, 0.4383, 0.4848)
contains.

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Color

Yxy(46.4821, 0.4383, 0.4848)

Conversions

Conversions Part 1

Format	Color
Hex	CDB613
RGB	205, 182, 19
RGB Percent	80%, 71%, 7%
CMY	0.1961, 0.2863, 0.9254
CMYK	0.00, 0.11, 0.91, 0.20
HSL	53°, 83%, 44%
HSV	53°, 91%, 80%
XYZ	42.0237, 46.4821, 7.3731
YIQ	170.2950, 66.0310, -45.8170

Conversions

Conversions Part 2

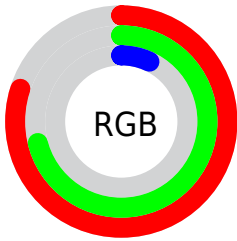
Format	Color
RYB	45, 205, 19
Decimal	13481491
CIELab	73.86, -6.41, 73.41
CIELCh	74, 73.686, 94.987
Yxy	46.4821, 0.4383, 0.4848
Android (android.graphics.Color)	4291671571 (0xFFCDB613)
YUV	170.2950, -74.5884, 30.4363
Hunter-Lab	68.1778, -9.2865, 41.3125

Details

The Yxy color **46.4821, 0.4383, 0.4848** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **6.2035, 0.1581, 0.0809**, and the grayscale version is **40.7108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0972, 0.4136, 0.4673**, and **22.0763, 0.4396, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **45.4823, 0.4431, 0.4864**, and if you desaturate by 10%, it is **47.6351, 0.4309, 0.4795**.

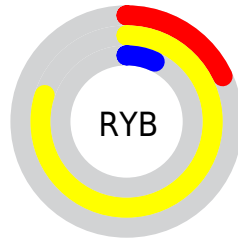
Distribution



Red (80%)

Green (71%)

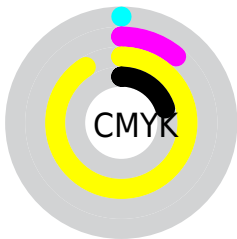
Blue (7%)



Red (18%)

Yellow (80%)

Blue (7%)

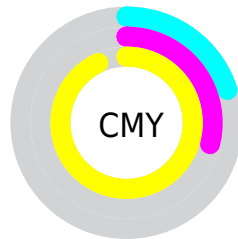


Cyan (0%)

Magenta (11%)

Yellow (91%)

Black (20%)



Cyan (20%)


Magenta (29%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4821, 0.4383, 0.4848 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 46.4821, 0.4383, 0.4848 by changing the saturation by 10% instead.

 46.4821, 0.4383,
0.4848


 46.4821, 0.4383,
0.4848

372.7435, 0.3845,
0.4147


 32.6264, 0.4471,
0.4977


 84.9400, 0.4219,
0.4624

 21.8404, 0.4556,
0.5113


 110.3111, 0.4148,
0.4530


 13.7397, 0.4657,
0.5284


 140.2894, 0.4083,
0.4447


 7.9398, 0.4647,
0.5353

 175.2594, 0.4025,
0.4373

 4.0565, 0.4589,
0.5411

 215.6053, 0.3973,
0.4307

 1.7052, 0.4492,
0.5508

 261.7118, 0.3926,

 0.4270, 0.3688,

0.4248

0.6312

313.9630, 0.3883,
0.4195

■ 0.0000, 0.0000,
0.0000

■ 46.4821, 0.4383,
0.4848

■ 46.4821, 0.4383,
0.4848

■ 45.4823, 0.4431,
0.4864

■ 47.6351, 0.4309,
0.4795

■ 48.8785, 0.4207,
0.4697

■ 50.2248, 0.4081,
0.4557

■ 51.6828, 0.3935,
0.4382

■ 53.2602, 0.3777,
0.4182

■ 54.9639, 0.3613,
0.3965

■ 56.8003, 0.3449,
0.3743

■ 58.7752, 0.3289,
0.3521

■ 60.8939, 0.3138,
0.3305

Harmonies

Analogous

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



46.4821, 0.4996, 0.4168



46.4821, 0.4383, 0.4848



46.4821, 0.3501, 0.5209

Triad

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



46.4821, 0.4383, 0.4848



46.4821, 0.1498, 0.2620



46.4821, 0.3467, 0.2263

Complementary

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



46.4821, 0.4383, 0.4848



6.2035, 0.1581, 0.0809

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.



46.4821, 0.2485, 0.1916



46.4821, 0.4383, 0.4848



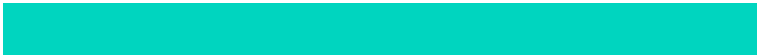
46.4821, 0.1499, 0.2028

Square

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



46.4821, 0.4383, 0.4848



46.4821, 0.1850, 0.3656



46.4821, 0.1821, 0.1823



46.4821, 0.4495, 0.2810

Rectangle

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



46.4821, 0.4383, 0.4848



46.4821, 0.2873, 0.5024



46.4821, 0.1821, 0.1823



46.4821, 0.3114, 0.2122

Sweetspot

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



46.4843, 0.4383, 0.4848



91.0186, 0.3557, 0.3890



13.6265, 0.5998, 0.3160



19.2646, 0.3614, 0.3967



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.



46.4843, 0.4383, 0.4848



74.2832, 0.4434, 0.4861



49.0147, 0.3597, 0.5469



12.8507, 0.3269, 0.3491



28.4076, 0.4427, 0.4867



1.5336, 0.4375, 0.4908

Inverse Universe

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



6.2035, 0.1581, 0.0809



8.2282, 0.1521, 0.0674



6.9105, 0.1891, 0.0859



11.0638, 0.2982, 0.3080



3.2621, 0.1528, 0.0700



0.2443, 0.1602, 0.0965

Previews

White Background



This preview shows how the Yxy color 46.4821, 0.4383, 0.4848 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 46.4821, 0.4383, 0.4848 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 46.4821, 0.4383, 0.4848

Background



This preview shows how black text looks on a background with the Yxy color 46.4821, 0.4383, 0.4848.



This preview shows how white text looks on a background with the Yxy color 46.4821, 0.4383, 0.4848.

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

46.4821, 0.4383, 0.4848

Protanopia

46.4821, 0.4383, 0.4848

Deuteranopia

46.2518, 0.4676, 0.4573



Tritanopia

46.2004, 0.3438, 0.3135

Trichromacy



Original Color

46.4821, 0.4383, 0.4848

Protanomaly

46.4821, 0.4383, 0.4848

Deuteranomaly

46.3365, 0.4566, 0.4679

Tritanomaly

45.5510, 0.3920, 0.3918

Monochromacy



Original Color

46.4821, 0.4383, 0.4848

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.5772, 0.3717, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4821, 0.4383, 0.4848 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(205, 182, 19)` looks like.

```
.text, #text, p{  
    color:rgb(205, 182, 19)  
}
```

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(205, 182, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 182, 19) }
```

Border

The CSS property to change the border of an element to Yxy 46.4821, 0.4383, 0.4848 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(205, 182, 19) }
```

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

```
.border{ border-color:rgb(205, 182, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 182, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 182, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 182, 19);  
box-shadow:4px 4px 4px 4px rgb(205, 182,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4821, 0.4383, 0.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 182, 19) }
```

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

```
.background{ background-color: rgb(205,  
182, 19) }
```

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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