

Converting Colors

$Y_{xy}(46.0726, 0.4325, 0.4770)$

Have a look what the booklet for
Yxy(46.0726, 0.4325, 0.4770)
contains.

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Color

Yxy(46.0383, 0.4331, 0.4769)

Conversions

Conversions Part 1

Format	Color
Hex	CCB528
RGB	204, 181, 40
RGB Percent	80%, 71%, 16%
CMY	0.2000, 0.2902, 0.8432
CMYK	0.00, 0.11, 0.80, 0.20
HSL	52°, 67%, 48%
HSV	52°, 80%, 80%
XYZ	41.8100, 46.0383, 8.6883
YIQ	171.8030, 58.9690, -38.9750

Conversions

Conversions Part 2

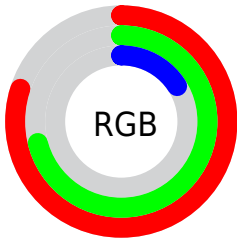
Format	Color
RYB	67, 204, 40
Decimal	13415720
CIELab	73.57, -5.82, 68.33
CIELCh	74, 68.575, 94.866
Yxy	46.0383, 0.4331, 0.4769
Android (android.graphics.Color)	4291605800 (0xFFCCB528)
YUV	171.8030, -64.9789, 28.2368
Hunter-Lab	67.8515, -8.7488, 39.9041

Details

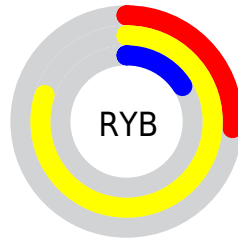
The Yxy color **46.0383, 0.4331, 0.4769** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **8.3646, 0.1695, 0.1046**, and the grayscale version is **41.4634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7102, 0.4094, 0.4593**, and **21.8115, 0.4409, 0.4881** is the 20% darker color. If you saturate the color by 10%, you get **44.7847, 0.4411, 0.4821**, and if you desaturate by 10%, it is **47.3934, 0.4223, 0.4671**.

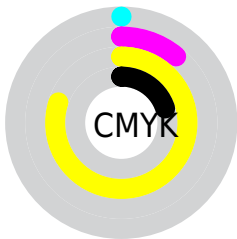
Distribution



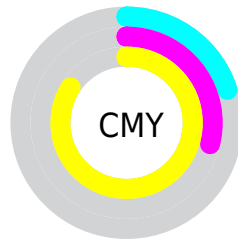
- Red (80%)
- Green (71%)
- Blue (16%)



- Red (26%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (11%)
- Yellow (80%)
- Black (20%)



- Cyan (20%)
- Magenta (29%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0383, 0.4331, 0.4769 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 46.0383, 0.4331, 0.4769 by changing the saturation by 10% instead.

46.0383, 0.4331,
0.4769

46.0383, 0.4331,
0.4769

370.9626, 0.3801,
0.4091

32.2760, 0.4425,
0.4900

84.2763, 0.4165,
0.4548

21.5724, 0.4520,
0.5043

109.5209, 0.4094,
0.4456

13.5431, 0.4616,
0.5202

139.3616, 0.4031,
0.4376

7.8036, 0.4667,
0.5333

174.1830, 0.3974,
0.4305

3.9695, 0.4614,
0.5386

214.3694, 0.3924,
0.4242

1.6565, 0.4524,
0.5476

260.3052, 0.3879,

0.3953, 0.3716,

0.4186

0.6284

312.3748, 0.3838,
0.4136

■ 0.0000, 0.0000,
0.0000

■ 46.0383, 0.4331,
0.4769

■ 46.0383, 0.4331,
0.4769

■ 44.7847, 0.4411,
0.4821

■ 47.3934, 0.4223,
0.4671

■ 43.6524, 0.4466,
0.4836

■ 48.8536, 0.4090,
0.4532

■ 50.4298, 0.3940,
0.4358

■ 52.1296, 0.3778,
0.4160

■ 53.9599, 0.3611,
0.3946

■ 55.9269, 0.3445,
0.3727

■ 58.0365, 0.3285,
0.3509

■ 60.2940, 0.3133,
0.3298

■ 62.7045, 0.2992,
0.3098

Harmonies

Analogous

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



46.0383, 0.4895, 0.4141



46.0383, 0.4331, 0.4769



46.0383, 0.3501, 0.5079

Triad

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



46.0383, 0.4331, 0.4769



46.0383, 0.1585, 0.2675



46.0383, 0.3445, 0.2317

Complementary

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



46.0383, 0.4331, 0.4769



8.3646, 0.1695, 0.1046

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.



46.0383, 0.2523, 0.1986



46.0383, 0.4331, 0.4769



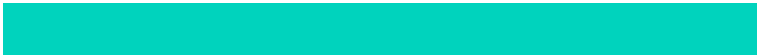
46.0383, 0.1581, 0.2104

Square

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



46.0383, 0.4331, 0.4769



46.0383, 0.1929, 0.3641



46.0383, 0.1889, 0.1900



46.0383, 0.4402, 0.2841

Rectangle

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



46.0383, 0.4331, 0.4769



46.0383, 0.2906, 0.4895



46.0383, 0.1889, 0.1900



46.0383, 0.3115, 0.2182

Sweetspot

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



46.0405, 0.4331, 0.4769



91.3114, 0.3509, 0.3813



14.7319, 0.5576, 0.3087



19.2940, 0.3569, 0.3892



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.



46.0405, 0.4331, 0.4769



72.8196, 0.4450, 0.4832



49.5083, 0.3641, 0.5311



12.8180, 0.3269, 0.3488



27.5762, 0.4461, 0.4840



1.4982, 0.4401, 0.4887

Inverse Universe

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



8.3646, 0.1695, 0.1046



9.1272, 0.1545, 0.0739



8.4396, 0.2005, 0.1017



11.0936, 0.2982, 0.3084



3.3666, 0.1533, 0.0720



0.2580, 0.1614, 0.1011

Previews

White Background



This preview shows how the Yxy color 46.0383, 0.4331, 0.4769 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 46.0383, 0.4331, 0.4769 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 46.0383, 0.4331, 0.4769

Background



This preview shows how black text looks on a background with the Yxy color 46.0383, 0.4331, 0.4769.



This preview shows how white text looks on a background with the Yxy color 46.0383, 0.4331, 0.4769.

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

46.0383, 0.4331, 0.4769

Protanopia

45.8975, 0.4322, 0.4775

Deuteranopia

46.0254, 0.4606, 0.4520



Tritanopia

46.0495, 0.3428, 0.3135

Trichromacy



Original Color

46.0383, 0.4331, 0.4769

Protanomaly

45.8975, 0.4322, 0.4775

Deuteranomaly

45.8944, 0.4514, 0.4606

Tritanomaly

45.2005, 0.3854, 0.3824

Monochromacy



Original Color

46.0383, 0.4331, 0.4769

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.3055, 0.3646, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0383, 0.4331, 0.4769 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(204, 181, 40)` looks like.

```
.text, #text, p{  
    color:rgb(204, 181, 40)  
}
```

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(204, 181, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 181, 40) }
```

Border

The CSS property to change the border of an element to Yxy 46.0383, 0.4331, 0.4769 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(204, 181, 40) }
```

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

```
.border{ border-color:rgb(204, 181, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 181, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 181, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 181, 40);  
box-shadow:4px 4px 4px 4px rgb(204, 181,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0383, 0.4331, 0.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 181, 40) }
```

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

```
.background{ background-color: rgb(204,  
181, 40) }
```

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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