

Converting Colors

$Y_{xy}(46.1591, 0.4326, 0.4767)$

Have a look what the booklet for
Yxy(46.1591, 0.4326, 0.4767)
contains.

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Color

Yxy(46.0452, 0.4327, 0.4764)

Conversions

Conversions Part 1

Format	Color
Hex	CCB529
RGB	204, 181, 41
RGB Percent	80%, 71%, 16%
CMY	0.2001, 0.2901, 0.8390
CMYK	0.00, 0.11, 0.80, 0.20
HSL	52°, 66%, 48%
HSV	52°, 80%, 80%
XYZ	41.8215, 46.0452, 8.7857
YIQ	171.9170, 58.6480, -38.6640

Conversions

Conversions Part 2

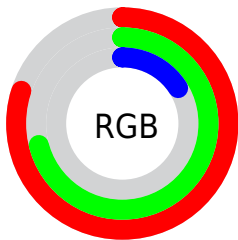
Format	Color
RYB	68, 204, 41
Decimal	13415721
CIELab	73.57, -5.80, 68.02
CIELCh	74, 68.262, 94.875
Yxy	46.0452, 0.4327, 0.4764
Android (android.graphics.Color)	4291605801 (0xFFCCB529)
YUV	171.9170, -64.5421, 28.1368
Hunter-Lab	67.8566, -8.7357, 39.8231

Details

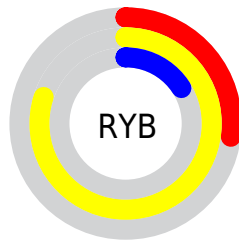
The Yxy color **46.0452, 0.4327, 0.4764** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted orange. A complement of this color would be **8.4995, 0.1702, 0.1060**, and the grayscale version is **41.5242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7292, 0.4090, 0.4586**, and **21.8115, 0.4409, 0.4881** is the 20% darker color. If you saturate the color by 10%, you get **44.7826, 0.4409, 0.4819**, and if you desaturate by 10%, it is **47.4100, 0.4217, 0.4664**.

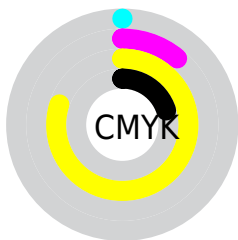
Distribution



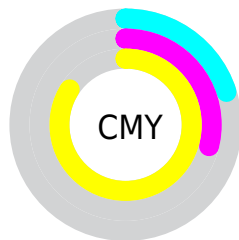
- Red (80%)
- Green (71%)
- Blue (16%)



- Red (27%)
- 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 46.0452, 0.4327, 0.4764 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 46.0452, 0.4327, 0.4764 by changing the saturation by 10% instead.

 46.0452, 0.4327,
0.4764

 46.0452, 0.4327,
0.4764


370.9903, 0.3798,
0.4087


 32.2815, 0.4421,
0.4896


 84.2866, 0.4161,
0.4543


 21.5766, 0.4516,
0.5038


 109.5332, 0.4090,
0.4452

 13.5461, 0.4612,
0.5197


 139.3761, 0.4027,
0.4371

 7.8057, 0.4667,
0.5333

 174.1998, 0.3971,
0.4301

 3.9709, 0.4614,
0.5386

 214.3887, 0.3920,
0.4238

 1.6573, 0.4525,
0.5475

 260.3271, 0.3875,

 0.3958, 0.3721,

0.4182

0.6279

312.3995, 0.3835,
0.4132

0.0000, 0.0000,
0.0000

46.0452, 0.4327,
0.4764

46.0452, 0.4327,
0.4764

44.7826, 0.4409,
0.4819

47.4100, 0.4217,
0.4664

43.5971, 0.4467,
0.4835

48.8807, 0.4083,
0.4523

43.5823, 0.4467,
0.4835

50.4680, 0.3932,
0.4348

52.1794, 0.3769,
0.4148

54.0219, 0.3602,
0.3934

■ 56.0016, 0.3436,
0.3715

■ 58.1243, 0.3276,
0.3498

■ 60.3954, 0.3125,
0.3287

■ 62.8200, 0.2985,
0.3088

Harmonies

Analogous

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



46.0452, 0.4888, 0.4139



46.0452, 0.4327, 0.4764



46.0452, 0.3500, 0.5070

Triad

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



46.0452, 0.4327, 0.4764



46.0452, 0.1590, 0.2678



46.0452, 0.3444, 0.2321

Complementary

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



46.0452, 0.4327, 0.4764



8.4995, 0.1702, 0.1060

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.



46.0452, 0.2526, 0.1991



46.0452, 0.4327, 0.4764



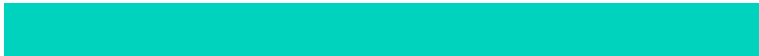
46.0452, 0.1586, 0.2109

Square

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



46.0452, 0.4327, 0.4764



46.0452, 0.1934, 0.3639



46.0452, 0.1894, 0.1906



46.0452, 0.4397, 0.2843

Rectangle

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



46.0452, 0.4327, 0.4764



46.0452, 0.2907, 0.4887



46.0452, 0.1894, 0.1906



46.0452, 0.3116, 0.2186

Sweetspot

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



46.0474, 0.4327, 0.4764



91.2859, 0.3509, 0.3813



14.8108, 0.5554, 0.3086



19.2878, 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.



46.0474, 0.4327, 0.4764



72.7314, 0.4452, 0.4831



49.5325, 0.3641, 0.5302



12.8166, 0.3269, 0.3487



27.5424, 0.4463, 0.4838



1.4968, 0.4402, 0.4886

Inverse Universe

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



8.4995, 0.1702, 0.1060



9.1398, 0.1546, 0.0739



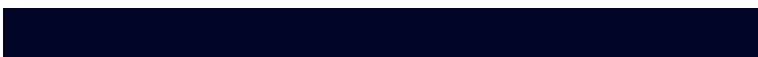
8.5490, 0.2012, 0.1028



11.0948, 0.2982, 0.3085



3.3712, 0.1534, 0.0721



0.2586, 0.1615, 0.1012

Previews

White Background



This preview shows how the Yxy color 46.0452, 0.4327, 0.4764 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 46.0452, 0.4327, 0.4764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

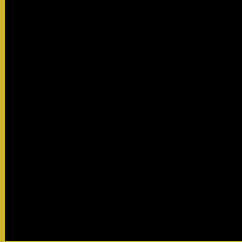
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0452, 0.4327, 0.4764

Background



This preview shows how black text looks on a background with the Yxy color 46.0452, 0.4327, 0.4764.



This preview shows how white text looks on a background with the Yxy color 46.0452, 0.4327, 0.4764.

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

46.0452, 0.4327, 0.4764

Protanopia

45.9044, 0.4318, 0.4771

Deuteranopia

46.0332, 0.4602, 0.4515



Tritanopia

46.0495, 0.3428, 0.3135

Trichromacy



Original Color

46.0452, 0.4327, 0.4764

Protanomaly

45.9044, 0.4318, 0.4771

Deuteranomaly

45.9019, 0.4510, 0.4601

Tritanomaly

45.2275, 0.3845, 0.3812

Monochromacy



Original Color

46.0452, 0.4327, 0.4764

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 46.0452, 0.4327, 0.4764 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 181, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 181, 41) }
```

Border

The CSS property to change the border of an element to Yxy 46.0452, 0.4327, 0.4764 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, 41) }
```

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

```
.border{ border-color:rgb(204, 181, 41) }
```

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, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 181, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 181, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 181,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0452, 0.4327, 0.4764 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, 41) }
```

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

```
.background{ background-color: rgb(204,  
181, 41) }
```

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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