

Converting Colors

$Y_{xy}(47.3159, 0.4255, 0.5004)$

Have a look what the booklet for
Yxy(47.3159, 0.4255, 0.5004)
contains.

Yxy(47.4358, 0.4248, 0.5009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.4358, 0.4248, 0.5009)

Conversions

Conversions Part 1

Format	Color
Hex	C2BC00
RGB	194, 188, 0
RGB Percent	76%, 74%, 0%
CMY	0.2393, 0.2627, 0.9998
CMYK	0.00, 0.03, 1.00, 0.24
HSL	58°, 100%, 38%
HSV	58°, 100%, 76%
XYZ	40.2290, 47.4358, 7.0363
YIQ	168.3620, 63.9240, -57.1960

Conversions

Conversions Part 2

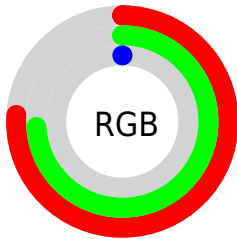
Format	Color
R_YB	6, 194, 0
Decimal	12762112
CIE Lab	74.47, -14.54, 75.72
CIE LCh	74, 77.103, 100.869
Yxy	47.4358, 0.4248, 0.5009
Android (android.graphics.Color)	4290952192 (0xFFC2BC00)
YUV	168.3620, -83.0025, 22.4845
Hunter-Lab	68.8737, -16.2672, 42.1544

Details

The Yxy color **47.4358, 0.4248, 0.5009** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **4.0253, 0.1505, 0.0618**, and the grayscale version is **39.7410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3663, 0.4114, 0.4756**, and **22.5622, 0.4206, 0.5043** is the 20% darker color. If you saturate the color by 10%, you get **47.4374, 0.4248, 0.5009**, and if you desaturate by 10%, it is **47.7425, 0.4219, 0.4976**.

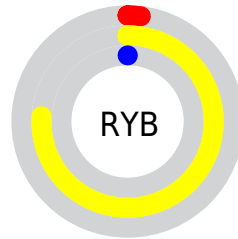
Distribution



Red (76%)

Green (74%)

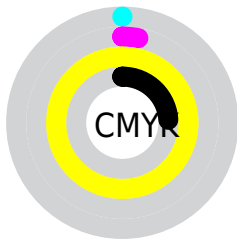
Blue (0%)



Red (2%)

Yellow (76%)

Blue (0%)

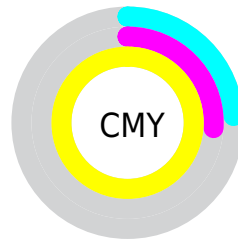


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (26%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4358, 0.4248, 0.5009 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 47.4358, 0.4248, 0.5009 by changing the saturation by 10% instead.

47.4358, 0.4248,
0.5009

47.4358, 0.4248,
0.5009

376.5514, 0.3790,
0.4220

33.3803, 0.4313,
0.5160

86.3638, 0.4116,
0.4753

22.4179, 0.4367,
0.5323

112.0050, 0.4056,
0.4646

14.1643, 0.4433,
0.5541

142.2770, 0.4000,
0.4553

8.2350, 0.4358,
0.5642

177.5641, 0.3950,
0.4470

4.2457, 0.4227,
0.5773

218.2507, 0.3904,
0.4396

1.8119, 0.4006,
0.5994

264.7212, 0.3862,

0.4946, 0.1889,

0.4331

0.8111

317.3599, 0.3824,
0.4272

■ 0.0000, 0.0000,
0.0000

■ 47.4358, 0.4248,
0.5009

■ 47.4358, 0.4248,
0.5009

■ 47.4374, 0.4248,
0.5009

■ 47.7425, 0.4219,
0.4976

■ 48.0964, 0.4169,
0.4909

■ 48.5170, 0.4093,
0.4798

■ 49.0131, 0.3991,
0.4646

■ 49.5922, 0.3868,
0.4458

■ 50.2609, 0.3729,
0.4242

■ 51.0250, 0.3580,
0.4009

■ 51.8899, 0.3427,
0.3767

■ 52.8607, 0.3275,
0.3525

Harmonies

Analogous

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



47.4358, 0.4962, 0.4325



47.4358, 0.4248, 0.5009



47.4358, 0.3311, 0.5278

Triad

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



47.4358, 0.4248, 0.5009



47.4358, 0.1423, 0.2434



47.4358, 0.3697, 0.2327

Complementary

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



47.4358, 0.4248, 0.5009



4.0253, 0.1505, 0.0618

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.



47.4358, 0.2637, 0.1926



47.4358, 0.4248, 0.5009



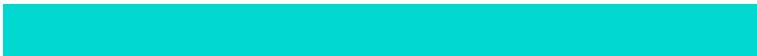
47.4358, 0.1491, 0.1918

Square

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



47.4358, 0.4248, 0.5009



47.4358, 0.1703, 0.3425



47.4358, 0.1884, 0.1776



47.4358, 0.4718, 0.2915

Rectangle

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



47.4358, 0.4248, 0.5009



47.4358, 0.2671, 0.4963



47.4358, 0.1884, 0.1776



47.4358, 0.3324, 0.2168

Sweetspot

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



47.4380, 0.4248, 0.5009



92.3858, 0.3588, 0.4021



11.4827, 0.6367, 0.3281



20.0972, 0.3653, 0.4123



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.



47.4380, 0.4248, 0.5009



85.8846, 0.4249, 0.5008



41.4896, 0.3410, 0.5674



11.7034, 0.3265, 0.3511



31.2167, 0.4247, 0.5010



1.3658, 0.4234, 0.5020

Inverse Universe

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



4.0253, 0.1505, 0.0618



7.2257, 0.1504, 0.0613



6.0966, 0.1957, 0.0852



9.7966, 0.2983, 0.3059



2.6684, 0.1506, 0.0623



0.1328, 0.1530, 0.0706

Previews

White Background



This preview shows how the Yxy color 47.4358, 0.4248, 0.5009 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 47.4358, 0.4248, 0.5009 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 47.4358, 0.4248, 0.5009

Background



This preview shows how black text looks on a background with the Yxy color 47.4358, 0.4248, 0.5009.

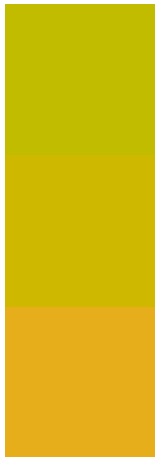


This preview shows how white text looks on a background with the Yxy color 47.4358, 0.4248, 0.5009.

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

47.4358, 0.4248, 0.5009

Protanopia

47.5464, 0.4405, 0.4885

Deuteranopia

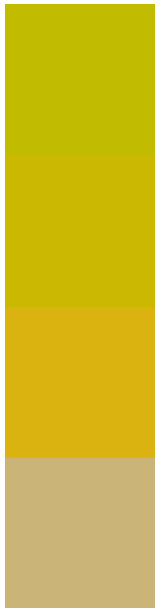
47.3402, 0.4677, 0.4585



Tritanopia

47.4126, 0.3294, 0.3132

Trichromacy



Original Color

47.4358, 0.4248, 0.5009

Protanomaly

47.2545, 0.4350, 0.4928

Deuteranomaly

47.1861, 0.4533, 0.4739

Tritanomaly

46.5551, 0.3830, 0.4046

Monochromacy



Original Color

47.4358, 0.4248, 0.5009

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.0686, 0.3719, 0.4229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4358, 0.4248, 0.5009 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(194, 188, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 188, 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(194, 188, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 188, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.4358, 0.4248, 0.5009 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(194, 188, 0) }
```

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

```
.border{ border-color:rgb(194, 188, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 188, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 188, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 188, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 188,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4358, 0.4248, 0.5009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 188, 0) }
```

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

```
.background{ background-color: rgb(194,  
188, 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