

Converting Colors

$Y_{xy}(38.4954, 0.4618, 0.4680)$

Have a look what the booklet for
Yxy(38.4954, 0.4618, 0.4680)
contains.

Yxy(38.4954, 0.4618, 0.4680)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4954, 0.4618, 0.4680)

Conversions

Conversions Part 1

Format	Color
Hex	CDA10C
RGB	205, 161, 12
RGB Percent	80%, 63%, 5%
CMY	0.1961, 0.3686, 0.9531
CMYK	0.00, 0.21, 0.94, 0.20
HSL	46°, 89%, 43%
HSV	46°, 94%, 80%
XYZ	37.9854, 38.4954, 5.7743
YIQ	157.1700, 74.0530, -37.0110

Conversions

Conversions Part 2

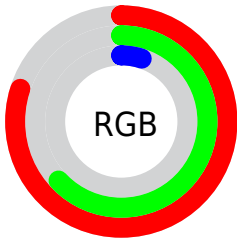
Format	Color
RYB	69, 205, 12
Decimal	13476108
CIELab	68.38, 4.57, 70.35
CIElCh	68, 70.497, 86.283
Yxy	38.4954, 0.4618, 0.4680
Android (android.graphics.Color)	4291666188 (0xFFCDA10C)
YUV	157.1700, -71.5688, 41.9469
Hunter-Lab	62.0447, 0.7044, 37.9133

Details

The Yxy color **38.4954, 0.4618, 0.4680** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **7.3069, 0.1605, 0.0932**, and the grayscale version is **34.0998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4401, 0.4320, 0.4542**, and **17.2629, 0.4697, 0.4652** is the 20% darker color. If you saturate the color by 10%, you get **37.5291, 0.4667, 0.4677**, and if you desaturate by 10%, it is **40.2407, 0.4518, 0.4659**.

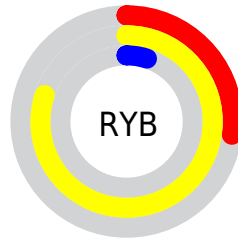
Distribution



Red (80%)

Green (63%)

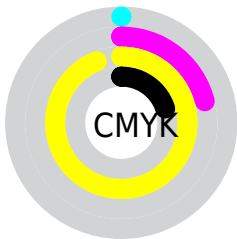
Blue (5%)



Red (27%)

Yellow (80%)

Blue (5%)

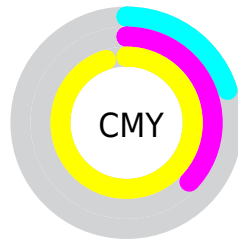


Cyan (0%)

Magenta (21%)

Yellow (94%)

Black (20%)



Cyan (20%)


Magenta (37%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4954, 0.4618, 0.4680 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 38.4954, 0.4618, 0.4680 by changing the saturation by 10% instead.


 38.4954, 0.4618,
0.4680


 38.4954, 0.4618,
0.4680


339.7404, 0.3939,
0.4069

 26.3674, 0.4741,
0.4780


 72.8668, 0.4402,
0.4493

 17.0987, 0.4865,
0.4874


 95.8790, 0.4310,
0.4411

 10.3049, 0.5018,
0.4982


 123.2881, 0.4229,
0.4338

 5.6016, 0.5050,
0.4950

 155.4785, 0.4157,
0.4272

 2.6044, 0.5101,
0.4899

 192.8345, 0.4093,
0.4213

 0.9289, 0.5192,
0.4808

 235.7405, 0.4036,

 0.0000, 0.0000,

0.4160

0.0000

284.5810, 0.3985,
0.4112

■ 38.4954, 0.4618,
0.4680

■ 38.4954, 0.4618,
0.4680

■ 37.5291, 0.4667,
0.4677

■ 40.2407, 0.4518,
0.4659

■ 42.1152, 0.4388,
0.4591

■ 44.1326, 0.4234,
0.4478

■ 46.3026, 0.4062,
0.4328

■ 48.6338, 0.3880,
0.4152

■ 51.1339, 0.3697,
0.3960

■ 53.8098, 0.3519,
0.3760

■ 56.6681, 0.3348,
0.3561

■ 59.7147, 0.3190,
0.3368

Harmonies

Analogous

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



38.4954, 0.5119, 0.3963



38.4954, 0.4618, 0.4680



38.4954, 0.3776, 0.5200

Triad

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



38.4954, 0.4618, 0.4680



38.4954, 0.1537, 0.2868



38.4954, 0.3158, 0.2122

Complementary

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



38.4954, 0.4618, 0.4680



7.3069, 0.1605, 0.0932

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.



38.4954, 0.2241, 0.1841



38.4954, 0.4618, 0.4680



38.4954, 0.1443, 0.2135

Square

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



38.4954, 0.4618, 0.4680



38.4954, 0.2005, 0.4019



38.4954, 0.1673, 0.1828



38.4954, 0.4240, 0.2625

Rectangle

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



38.4954, 0.4618, 0.4680



38.4954, 0.3140, 0.5195



38.4954, 0.1673, 0.1828



38.4954, 0.2818, 0.2001

Sweetspot

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



38.4973, 0.4618, 0.4680



86.2810, 0.3593, 0.3844



13.5347, 0.5828, 0.3029



18.0614, 0.3671, 0.3931



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.



38.4973, 0.4618, 0.4680



61.1494, 0.4674, 0.4671



50.5055, 0.3742, 0.5380



12.6463, 0.3271, 0.3468



23.5153, 0.4658, 0.4683



1.3221, 0.4550, 0.4769

Inverse Universe

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



7.3069, 0.1605, 0.0932



10.2557, 0.1561, 0.0818



5.7401, 0.1715, 0.0744



11.2518, 0.2983, 0.3106



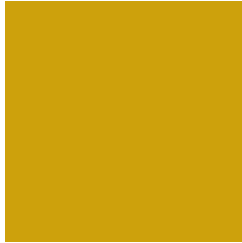
4.1150, 0.1572, 0.0857



0.3307, 0.1677, 0.1237

Previews

White Background



This preview shows how the Yxy color 38.4954, 0.4618, 0.4680 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 38.4954, 0.4618, 0.4680 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 38.4954, 0.4618, 0.4680

Background



This preview shows how black text looks on a background with the Yxy color 38.4954, 0.4618, 0.4680.



This preview shows how white text looks on a background with the Yxy color 38.4954, 0.4618, 0.4680.

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

38.4954, 0.4618, 0.4680

Protanopia

38.3633, 0.4383, 0.4854

Deuteranopia

38.3400, 0.4701, 0.4600



Tritanopia

38.5320, 0.3667, 0.3156

Trichromacy



Original Color

38.4954, 0.4618, 0.4680

Protanomaly

38.4113, 0.4465, 0.4793

Deuteranomaly

38.3861, 0.4673, 0.4626

Tritanomaly

37.8744, 0.4173, 0.3875

Monochromacy



Original Color

38.4954, 0.4618, 0.4680

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.4519, 0.3800, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4954, 0.4618, 0.4680 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, 161, 12)` looks like.

```
.text, #text, p{  
    color:rgb(205, 161, 12)  
}
```

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, 161, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 161, 12) }
```

Border

The CSS property to change the border of an element to Yxy 38.4954, 0.4618, 0.4680 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, 161, 12) }
```

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

```
.border{ border-color:rgb(205, 161, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 161, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 161, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 161, 12);  
box-shadow:4px 4px 4px 4px rgb(205, 161,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4954, 0.4618, 0.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 161, 12) }
```

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

```
.background{ background-color: rgb(205,  
161, 12) }
```

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