

Converting Colors

$Y_{xy}(38.0840, 0.4670, 0.4674)$

Have a look what the booklet for
Yxy(38.0840, 0.4670, 0.4674)
contains.

Yxy(38.0617, 0.4677, 0.4668)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.0617, 0.4677, 0.4668)

Conversions

Conversions Part 1

Format	Color
Hex	CF9F00
RGB	207, 159, 0
RGB Percent	81%, 62%, 0%
CMY	0.1882, 0.3765, 0.9994
CMYK	0.00, 0.23, 1.00, 0.19
HSL	46°, 100%, 41%
HSV	46°, 100%, 81%
XYZ	38.1351, 38.0617, 5.3407
YIQ	155.2260, 79.6470, -39.2730

Conversions

Conversions Part 2

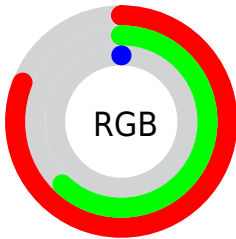
Format	Color
RYB	62, 207, 0
Decimal	13606656
CIELab	68.07, 6.42, 71.73
CIELCh	68, 72.018, 84.882
Yxy	38.0617, 0.4677, 0.4668
Android (android.graphics.Color)	4291796736 (0xFFCF9F00)
YUV	155.2260, -76.5264, 45.4058
Hunter-Lab	61.6942, 2.3716, 38.0533

Details

The Yxy color **38.0617, 0.4677, 0.4668** 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 **6.6353, 0.1568, 0.0844**, and the grayscale version is **33.2126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3703, 0.4352, 0.4551**, and **16.9282, 0.4743, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **38.0510, 0.4678, 0.4668**, and if you desaturate by 10%, it is **39.8020, 0.4589, 0.4670**.

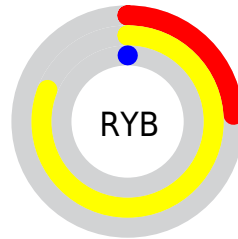
Distribution



Red (81%)

Green (62%)

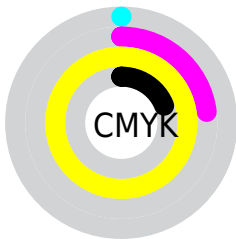
Blue (0%)



Red (24%)

Yellow (81%)

Blue (0%)

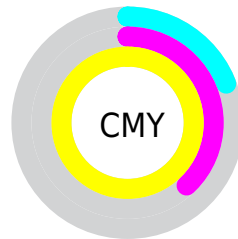


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0617, 0.4677, 0.4668 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 38.0617, 0.4677, 0.4668 by changing the saturation by 10% instead.

38.0617, 0.4677,
0.4668

38.0617, 0.4677,
0.4668

337.8846, 0.3972,
0.4073

26.0306, 0.4803,
0.4760

72.2027, 0.4453,
0.4490

16.8465, 0.4932,
0.4844

95.0814, 0.4358,
0.4410

10.1251, 0.5077,
0.4923

122.3447, 0.4274,
0.4339

5.4820, 0.5122,
0.4878

154.3770, 0.4199,
0.4274

2.5327, 0.5194,
0.4806

191.5628, 0.4133,
0.4216

0.8930, 0.5323,
0.4677

234.2864, 0.4073,

0.0000, 0.0000,

0.4163

0.0000

282.9322, 0.4020,
0.4116

38.0617, 0.4677,
0.4668

38.0617, 0.4677,
0.4668

38.0510, 0.4678,
0.4668

39.8020, 0.4589,
0.4670

41.6626, 0.4474,
0.4629

43.6650, 0.4331,
0.4542

45.8205, 0.4167,
0.4413

48.1385, 0.3989,
0.4252

■ 50.6273, 0.3805,
0.4068

■ 53.2945, 0.3622,
0.3873

■ 56.1471, 0.3446,
0.3674

■ 59.1916, 0.3280,
0.3477

Harmonies

Analogous

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



38.0617, 0.5172, 0.3933



38.0617, 0.4677, 0.4668



38.0617, 0.3826, 0.5231

Triad

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



38.0617, 0.4677, 0.4668



38.0617, 0.1518, 0.2900



38.0617, 0.3106, 0.2080

Complementary

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



38.0617, 0.4677, 0.4668



6.6353, 0.1568, 0.0844

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.



38.0617, 0.2185, 0.1807



38.0617, 0.4677, 0.4668



38.0617, 0.1408, 0.2132

Square

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



38.0617, 0.4677, 0.4668



38.0617, 0.2009, 0.4097



38.0617, 0.1627, 0.1806



38.0617, 0.4218, 0.2581

Rectangle

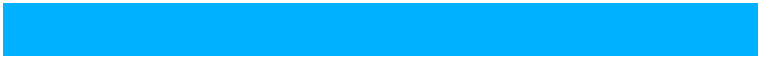
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.0617, 0.4677, 0.4668



38.0617, 0.3179, 0.5263



38.0617, 0.1627, 0.1806



38.0617, 0.2763, 0.1961

Sweetspot

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



38.0636, 0.4677, 0.4668



85.2024, 0.3630, 0.3881



13.4884, 0.5996, 0.3077



17.8400, 0.3707, 0.3966



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.



38.0636, 0.4677, 0.4668



60.6510, 0.4684, 0.4663



51.2969, 0.3726, 0.5423



13.3129, 0.3272, 0.3467



24.1189, 0.4669, 0.4674



1.4645, 0.4565, 0.4758

Inverse Universe

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



6.6353, 0.1568, 0.0844



10.3682, 0.1563, 0.0826



5.3305, 0.1657, 0.0687



11.8567, 0.2982, 0.3106



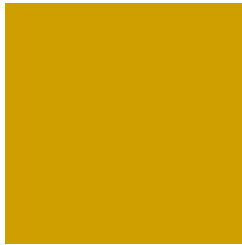
4.2940, 0.1573, 0.0864



0.3643, 0.1672, 0.1219

Previews

White Background



This preview shows how the Yxy color 38.0617, 0.4677, 0.4668 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 38.0617, 0.4677, 0.4668 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 38.0617, 0.4677, 0.4668

Background



This preview shows how black text looks on a background with the Yxy color 38.0617, 0.4677, 0.4668.



This preview shows how white text looks on a background with the Yxy color 38.0617, 0.4677, 0.4668.

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

38.0617, 0.4677, 0.4668

Protanopia

38.3530, 0.4389, 0.4863

Deuteranopia

38.1751, 0.4703, 0.4621



Tritanopia

38.1301, 0.3715, 0.3157

Trichromacy



Original Color

38.0617, 0.4677, 0.4668

Protanomaly

38.1684, 0.4496, 0.4791

Deuteranomaly

38.0222, 0.4699, 0.4634

Tritanomaly

37.3931, 0.4265, 0.3915

Monochromacy



Original Color

38.0617, 0.4677, 0.4668

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.6765, 0.3857, 0.4111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0617, 0.4677, 0.4668 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(207, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 159, 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(207, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 159, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.0617, 0.4677, 0.4668 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(207, 159, 0) }
```

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

```
.border{ border-color:rgb(207, 159, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 159,  
0) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.0617, 0.4677, 0.4668$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 159, 0) }
```

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

```
.background{ background-color: rgb(207,  
159, 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