

Converting Colors

$Y_{xy}(38.8510, 0.4550, 0.4758)$

Have a look what the booklet for
Yxy(38.8510, 0.4550, 0.4758)
contains.

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Color

Yxy(38.8390, 0.4548, 0.4759)

Conversions

Conversions Part 1

Format	Color
Hex	C8A404
RGB	200, 164, 4
RGB Percent	78%, 64%, 2%
CMY	0.2157, 0.3568, 0.9842
CMYK	0.00, 0.18, 0.98, 0.22
HSL	49°, 96%, 40%
HSV	49°, 98%, 78%
XYZ	37.1170, 38.8390, 5.6557
YIQ	156.5240, 72.8160, -42.1280

Conversions

Conversions Part 2

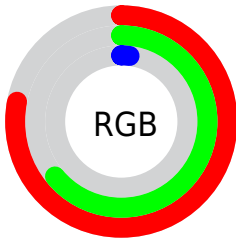
Format	Color
RYB	48, 200, 4
Decimal	13149188
CIELab	68.63, 0.66, 71.30
CIELCh	69, 71.302, 89.467
Yxy	38.8390, 0.4548, 0.4759
Android (android.graphics.Color)	4291339268 (0xFFC8A404)
YUV	156.5240, -75.1943, 38.1285
Hunter-Lab	62.3209, -2.7509, 38.2440

Details

The Yxy color **38.8390, 0.4548, 0.4759** 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 **5.7154, 0.1558, 0.0793**, and the grayscale version is **33.8140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4731, 0.4299, 0.4586**, and **17.4730, 0.4584, 0.4742** is the 20% darker color. If you saturate the color by 10%, you get **38.5679, 0.4562, 0.4760**, and if you desaturate by 10%, it is **40.2321, 0.4473, 0.4745**.

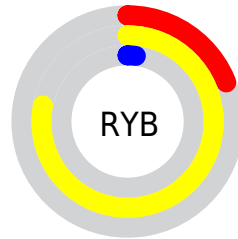
Distribution



Red (78%)

Green (64%)

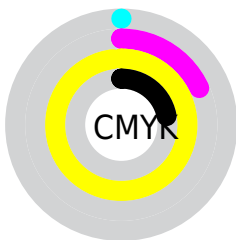
Blue (2%)



Red (19%)

Yellow (78%)

Blue (2%)

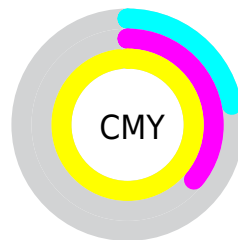


Cyan (0%)

Magenta (18%)

Yellow (98%)

Black (22%)



Cyan (22%)

Magenta (36%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8390, 0.4548, 0.4759 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 38.8390, 0.4548, 0.4759 by changing the saturation by 10% instead.


 38.8390, 0.4548,
0.4759


 38.8390, 0.4548,
0.4759


341.2055, 0.3910,
0.4103


 26.6345, 0.4659,
0.4871


 73.3923, 0.4348,
0.4555


 17.2989, 0.4767,
0.4980


 96.5099, 0.4263,
0.4467

 10.4478, 0.4894,
0.5106


 124.0340, 0.4186,
0.4388

 5.6969, 0.4899,
0.5101

 156.3489, 0.4118,
0.4318

 2.6617, 0.4906,
0.5094

 193.8392, 0.4058,
0.4255

 0.9578, 0.4920,
0.5080

 236.8891, 0.4003,

 0.0000, 0.0000,

0.4199

0.0000

285.8831, 0.3954,
0.4149

38.8390, 0.4548,
0.4759

38.8390, 0.4548,
0.4759

38.5679, 0.4562,
0.4760

40.2321, 0.4473,
0.4745

41.7204, 0.4371,
0.4687

43.3198, 0.4241,
0.4584

45.0396, 0.4090,
0.4441

46.8882, 0.3924,
0.4267

■ 48.8726, 0.3751,
0.4071

■ 50.9995, 0.3577,
0.3865

■ 53.2748, 0.3408,
0.3655

■ 55.7042, 0.3248,
0.3449

Harmonies

Analogous

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



38.8390, 0.5103, 0.4042



38.8390, 0.4548, 0.4759



38.8390, 0.3678, 0.5240

Triad

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



38.8390, 0.4548, 0.4759



38.8390, 0.1500, 0.2762



38.8390, 0.3272, 0.2158

Complementary

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



38.8390, 0.4548, 0.4759



5.7154, 0.1558, 0.0793

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.



38.8390, 0.2316, 0.1850



38.8390, 0.4548, 0.4759



38.8390, 0.1442, 0.2076

Square

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



38.8390, 0.4548, 0.4759



38.8390, 0.1927, 0.3892



38.8390, 0.1707, 0.1806



38.8390, 0.4356, 0.2683

Rectangle

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



38.8390, 0.4548, 0.4759



38.8390, 0.3036, 0.5174



38.8390, 0.1707, 0.1806



38.8390, 0.2921, 0.2028

Sweetspot

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



38.8409, 0.4548, 0.4759



87.7561, 0.3602, 0.3895



12.5429, 0.6032, 0.3113



18.4391, 0.3677, 0.3985



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.



38.8409, 0.4548, 0.4759



66.4510, 0.4568, 0.4755



46.9985, 0.3677, 0.5452



12.0729, 0.3270, 0.3477



24.6441, 0.4556, 0.4765



1.2554, 0.4467, 0.4835

Inverse Universe

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



5.7154, 0.1558, 0.0793



9.2401, 0.1541, 0.0747



5.3085, 0.1717, 0.0729



10.5974, 0.2983, 0.3096



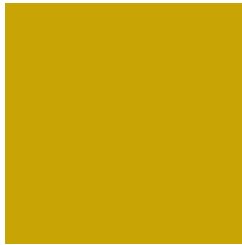
3.5789, 0.1551, 0.0783



0.2679, 0.1653, 0.1150

Previews

White Background



This preview shows how the Yxy color 38.8390, 0.4548, 0.4759 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 38.8390, 0.4548, 0.4759 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 38.8390, 0.4548, 0.4759

Background



This preview shows how black text looks on a background with the Yxy color 38.8390, 0.4548, 0.4759.

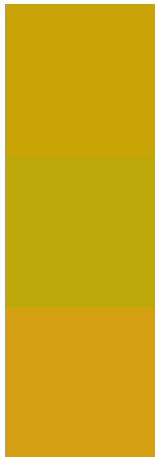


This preview shows how white text looks on a background with the Yxy color 38.8390, 0.4548, 0.4759.

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

38.8390, 0.4548, 0.4759

Protanopia

38.8438, 0.4391, 0.4868

Deuteranopia

38.8307, 0.4699, 0.4602



Tritanopia

38.6921, 0.3590, 0.3141

Trichromacy



Original Color

38.8390, 0.4548, 0.4759

Protanomaly

38.9902, 0.4444, 0.4833

Deuteranomaly

38.9262, 0.4646, 0.4658

Tritanomaly

37.9394, 0.4129, 0.3922

Monochromacy



Original Color

38.8390, 0.4548, 0.4759

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9654, 0.3806, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8390, 0.4548, 0.4759 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(200, 164, 4)` looks like.

```
.text, #text, p{  
    color:rgb(200, 164, 4)  
}
```

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(200, 164, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 164, 4) }
```

Border

The CSS property to change the border of an element to Yxy 38.8390, 0.4548, 0.4759 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(200, 164, 4) }
```

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

```
.border{ border-color:rgb(200, 164, 4) }
```

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

Here you see how a box with a 4 pixel rgb(200, 164, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 164, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 164, 4);  
box-shadow:4px 4px 4px 4px rgb(200, 164,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8390, 0.4548, 0.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 164, 4) }
```

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

```
.background{ background-color: rgb(200,  
164, 4) }
```

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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