

Converting Colors

$Yxy(38.8374, 0.4114, 0.4198)$

Have a look what the booklet for
Yxy(38.8374, 0.4114, 0.4198)
contains.

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Color

Yxy(38.8374, 0.4114, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	C5A35C
RGB	197, 163, 92
RGB Percent	77%, 64%, 36%
CMY	0.2273, 0.3608, 0.6392
CMYK	0.00, 0.17, 0.53, 0.23
HSL	41°, 48%, 57%
HSV	41°, 53%, 77%
XYZ	38.0603, 38.8374, 15.6164
YIQ	165.0720, 43.0550, -14.8730

Conversions

Conversions Part 2

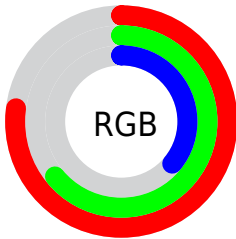
Format	Color
RYB	142, 197, 92
Decimal	12952412
CIELab	68.63, 3.74, 41.23
CIElCh	69, 41.399, 84.819
Yxy	38.8374, 0.4114, 0.4198
Android (android.graphics.Color)	4291142492 (0xFFC5A35C)
YUV	165.0720, -36.0245, 28.0009
Hunter-Lab	62.3197, -0.0447, 28.7666

Details

The Yxy color **38.8374, 0.4114, 0.4198** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **21.2393, 0.2219, 0.2146**, and the grayscale version is **37.8260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4164, 0.3930, 0.4044**, and **17.4255, 0.4371, 0.4425** is the 20% darker color. If you saturate the color by 10%, you get **36.3280, 0.4319, 0.4334**, and if you desaturate by 10%, it is **41.5546, 0.3907, 0.4038**.

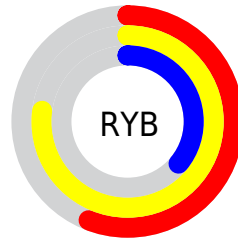
Distribution



Red (77%)

Green (64%)

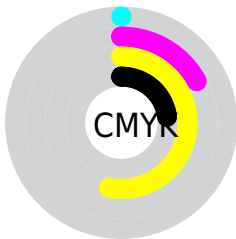
Blue (36%)



Red (56%)

Yellow (77%)

Blue (36%)

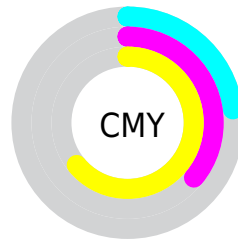


Cyan (0%)

Magenta (17%)

Yellow (53%)

Black (23%)



Cyan (23%)


Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8374, 0.4114, 0.4198 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 38.8374, 0.4114, 0.4198 by changing the saturation by 10% instead.


 38.8374, 0.4114,
0.4198


 38.8374, 0.4114,
0.4198


341.1987, 0.3620,
0.3753


 26.6333, 0.4231,
0.4300


 73.3899, 0.3938,
0.4042

 17.2980, 0.4374,
0.4422


 96.5070, 0.3870,
0.3981

 10.4472, 0.4550,
0.4566


 124.0305, 0.3813,
0.3929

 5.6964, 0.4779,
0.4746

 156.3449, 0.3764,
0.3884

 2.6614, 0.5059,
0.4941

193.8345, 0.3721,
0.3845

 0.9576, 0.5132,
0.4868

236.8837, 0.3683,

 0.0000, 0.0000,

0.3811

0.0000

285.8770, 0.3650,
0.3780

■ 38.8374, 0.4114,
0.4198

■ 38.8374, 0.4114,
0.4198

■ 36.3280, 0.4319,
0.4334

■ 41.5546, 0.3907,
0.4038

■ 34.0120, 0.4513,
0.4435

■ 44.4820, 0.3705,
0.3865

■ 31.8815, 0.4686,
0.4492

■ 47.6288, 0.3514,
0.3688

■ 29.9248, 0.4829,
0.4499

■ 51.0019, 0.3338,
0.3513

■ 28.6985, 0.4911,
0.4482

■ 54.6077, 0.3177,
0.3344

■ 58.4525, 0.3032,
0.3184

■ 62.5421, 0.2901,
0.3035

■ 66.8821, 0.2785,
0.2897

■ 70.5201, 0.2760,
0.2914

Harmonies

Analogous

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



38.8374, 0.4349, 0.3784



38.8374, 0.4114, 0.4198



38.8374, 0.3622, 0.4412

Triad

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



38.8374, 0.4114, 0.4198



38.8374, 0.2136, 0.3113



38.8374, 0.3136, 0.2528

Complementary

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



38.8374, 0.4114, 0.4198



21.2393, 0.2219, 0.2146

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.



38.8374, 0.2567, 0.2348



38.8374, 0.4114, 0.4198



38.8374, 0.2036, 0.2624

Square

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



38.8374, 0.4114, 0.4198



38.8374, 0.2484, 0.3745



38.8374, 0.2184, 0.2370



38.8374, 0.3760, 0.2869

Rectangle

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



38.8374, 0.4114, 0.4198



38.8374, 0.3225, 0.4357



38.8374, 0.2184, 0.2370



38.8374, 0.2931, 0.2448

Sweetspot

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



38.8393, 0.4114, 0.4198



89.4980, 0.3388, 0.3564



21.0618, 0.4132, 0.2835



18.8842, 0.3425, 0.3600



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.



38.8393, 0.4114, 0.4198



64.3244, 0.4353, 0.4354



50.3636, 0.3737, 0.4634



11.8151, 0.3273, 0.3446



19.0277, 0.4900, 0.4492



1.0284, 0.4718, 0.4636

Inverse Universe

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



21.2393, 0.2219, 0.2146



29.6396, 0.2023, 0.1844



14.9713, 0.2255, 0.1665



10.8394, 0.2983, 0.3129



5.1872, 0.1631, 0.1071



0.3782, 0.1751, 0.1505

Previews

White Background



This preview shows how the Yxy color 38.8374, 0.4114, 0.4198 looks on a white background.

Color Contrast Check

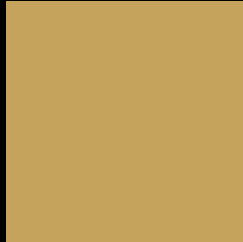
Large Text (above 18pt) WCAG AA × Fail

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 38.8374, 0.4114, 0.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

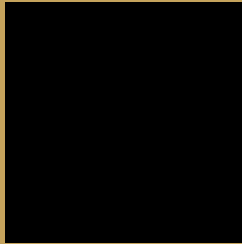
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8374, 0.4114, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 38.8374, 0.4114, 0.4198.



This preview shows how white text looks on a background with the Yxy color 38.8374, 0.4114, 0.4198.

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

38.8374, 0.4114, 0.4198

Protanopia

39.0038, 0.3932, 0.4285

Deuteranopia

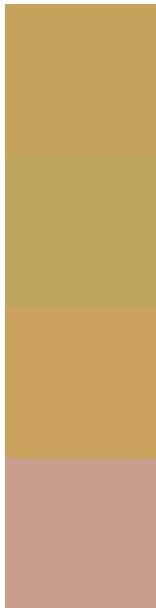
38.9111, 0.4208, 0.4122



Tritanopia

38.7017, 0.3515, 0.3139

Trichromacy



Original Color

38.8374, 0.4114, 0.4198

Protanomaly

38.8816, 0.4004, 0.4253

Deuteranomaly

38.8366, 0.4170, 0.4144

Tritanomaly

38.3955, 0.3747, 0.3526

Monochromacy



Original Color

38.8374, 0.4114, 0.4198

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7330, 0.3489, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8374, 0.4114, 0.4198 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(197, 163, 92)` looks like.

```
.text, #text, p{  
    color:rgb(197, 163, 92)  
}
```

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(197, 163, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 163, 92) }
```

Border

The CSS property to change the border of an element to Yxy 38.8374, 0.4114, 0.4198 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(197, 163, 92) }
```

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

```
.border{ border-color:rgb(197, 163, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 163, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 163, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 163, 92);  
box-shadow:4px 4px 4px 4px rgb(197, 163,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8374, 0.4114, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 163, 92) }
```

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

```
.background{ background-color: rgb(197,  
163, 92) }
```

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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