

# Converting Colors

$Yxy(38.0946, 0.3993, 0.3972)$

Have a look what the booklet for  
Yxy(38.0946, 0.3993, 0.3972)  
contains.

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# Color

**Yxy(38.0946, 0.3993, 0.3972)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5A06C
RGB	197, 160, 108
RGB Percent	77%, 63%, 42%
CMY	0.2276, 0.3725, 0.5765
CMYK	0.00, 0.19, 0.45, 0.23
HSL	35°, 43%, 60%
HSV	35°, 45%, 77%
XYZ	38.2960, 38.0946, 19.5172
YIQ	165.1350, 38.7440, -8.3280

# Conversions

## Conversions Part 2

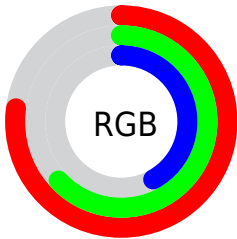
Format	Color
<a href="#">RYB</a>	<a href="#">171, 197, 108</a>
Decimal	<a href="#">12951660</a>
CIELab	<a href="#">68.09, 6.84, 32.22</a>
CIELCh	<a href="#">68, 32.934, 78.016</a>
Yxy	<a href="#">38.0946, 0.3993, 0.3972</a>
Android (android.graphics.Color)	<a href="#">4291141740 (0xFFC5A06C)</a>
YUV	<a href="#">165.1350, -28.1676, 27.9456</a>
Hunter-Lab	<a href="#">61.7208, 2.7427, 24.4560</a>

# Details

The Yxy color **38.0946, 0.3993, 0.3972** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.4462, 0.2386, 0.2483**, and the grayscale version is **37.8179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3989, 0.3829, 0.3857**, and **16.9158, 0.4241, 0.4161** is the 20% darker color. If you saturate the color by 10%, you get **34.9800, 0.4228, 0.4109**, and if you desaturate by 10%, it is **41.4941, 0.3769, 0.3821**.

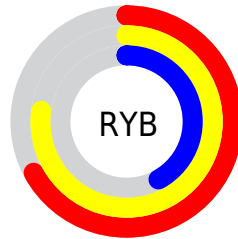
# Distribution



Red (77%)

Green (63%)

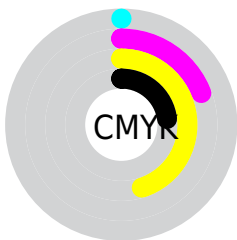
Blue (42%)



Red (67%)

Yellow (77%)

Blue (42%)

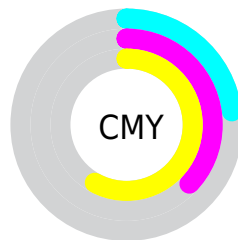


Cyan (0%)

Magenta (19%)

Yellow (45%)

Black (23%)



Cyan (23%)

Magenta (37%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0946, 0.3993, 0.3972 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 38.0946, 0.3993, 0.3972 by changing the saturation by 10% instead.




 38.0946, 0.3993,  
0.3972


 38.0946, 0.3993,  
0.3972


338.0256, 0.3550,  
0.3635


 26.0561, 0.4104,  
0.4052


 72.2531, 0.3831,  
0.3852


 16.8656, 0.4244,  
0.4149


 95.1419, 0.3771,  
0.3806

 10.1387, 0.4426,  
0.4270


 122.4163, 0.3719,  
0.3767

 5.4910, 0.4666,  
0.4415

 154.4607, 0.3676,  
0.3733

 2.5382, 0.5214,  
0.4786

191.6594, 0.3638,  
0.3704

 0.8957, 0.5351,  
0.4649

234.3968, 0.3605,

 0.0000, 0.0000,


0.3678

0.0000

283.0575, 0.3576,  
0.3655

 38.0946, 0.3993,  
0.3972


 38.0946, 0.3993,  
0.3972


 34.9800, 0.4228,  
0.4109


 41.4941, 0.3769,  
0.3821


 32.1349, 0.4467,  
0.4222


 45.1824, 0.3563,  
0.3666


 29.5501, 0.4699,  
0.4298

 49.1700, 0.3375,  
0.3512

 27.2135, 0.4909,  
0.4328

 53.4653, 0.3207,  
0.3364

 25.1108, 0.5087,  
0.4304

 58.0760, 0.3057,  
0.3224

■ 24.1690, 0.5166,  
0.4280

■ 63.0099, 0.2925,  
0.3093

■ 68.2741, 0.2809,  
0.2973

■ 73.1768, 0.2764,  
0.2969

■ 77.7167, 0.2771,  
0.3060

# Harmonies

## Analogous

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



38.0946, 0.4111, 0.3624



38.0946, 0.3993, 0.3972



38.0946, 0.3640, 0.4171

# Triad

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



38.0946, 0.3993, 0.3972



38.0946, 0.2369, 0.3268



38.0946, 0.3027, 0.2617

# Complementary

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



38.0946, 0.3993, 0.3972



27.4462, 0.2386, 0.2483

# 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.



38.0946, 0.2588, 0.2506



38.0946, 0.3993, 0.3972



38.0946, 0.2233, 0.2836

# Square

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



38.0946, 0.3993, 0.3972



38.0946, 0.2702, 0.3758



38.0946, 0.2310, 0.2574



38.0946, 0.3529, 0.2876



# Rectangle

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



38.0946, 0.3993, 0.3972



38.0946, 0.3329, 0.4163



38.0946, 0.2310, 0.2574



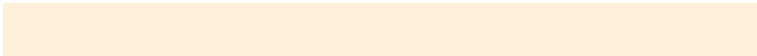
38.0946, 0.2867, 0.2562

# Sweetspot

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



38.0964, 0.3993, 0.3972



88.8148, 0.3358, 0.3497



24.6337, 0.3809, 0.2802



18.6625, 0.3397, 0.3530



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.



38.0964, 0.3993, 0.3972



62.8601, 0.4220, 0.4105



51.8882, 0.3724, 0.4414



11.6502, 0.3275, 0.3425



16.0712, 0.5150, 0.4293



0.9015, 0.4899, 0.4492

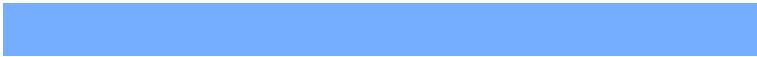


# Inverse Universe

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



27.4462, 0.2386, 0.2483



41.4783, 0.2226, 0.2271



18.4235, 0.2346, 0.1916



10.9989, 0.2983, 0.3151



6.7570, 0.1701, 0.1324

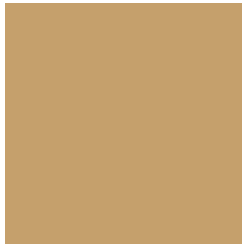


0.4622, 0.1817, 0.1742



# Previews

## White Background



This preview shows how the Yxy color 38.0946, 0.3993, 0.3972 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 38.0946, 0.3993, 0.3972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

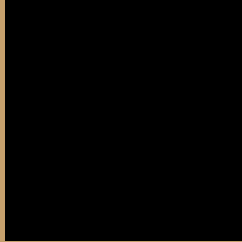
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.0946, 0.3993, 0.3972**

## Background



This preview shows how black text looks on a background with the Yxy color 38.0946, 0.3993, 0.3972.



This preview shows how white text looks on a background with the Yxy color 38.0946, 0.3993, 0.3972.

# 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

38.0946, 0.3993, 0.3972

### Protanopia

38.1015, 0.3768, 0.4070

### Deuteranopia

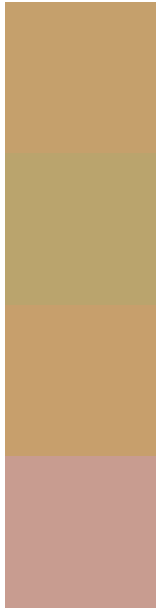
38.1583, 0.4030, 0.3951



## Tritanopia

38.0556, 0.3507, 0.3137

# Trichromacy



**Original Color**

38.0946, 0.3993, 0.3972

**Protanomaly**

38.0941, 0.3848, 0.4040

**Deuteranomaly**

38.0211, 0.4020, 0.3954

**Tritanomaly**

38.0699, 0.3690, 0.3448

# Monochromacy



**Original Color**

38.0946, 0.3993, 0.3972

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

37.5551, 0.3436, 0.3558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0946, 0.3993, 0.3972 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, 160, 108)` looks like.

```
.text, #text, p{  
    color:rgb(197, 160, 108)  
}
```

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, 160, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 160, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0946, 0.3993, 0.3972 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, 160, 108) }
```

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

```
.border{ border-color:rgb(197, 160, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 160, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 160, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 160, 108);  
box-shadow:4px 4px 4px 4px rgb(197, 160,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0946, 0.3993, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 160, 108) }
```

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

```
.background{ background-color: rgb(197,  
160, 108) }
```

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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