

Converting Colors

$Yxy(38.8680, 0.4007, 0.3908)$

Have a look what the booklet for
Yxy(38.8680, 0.4007, 0.3908)
contains.

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Color

Yxy(38.8680, 0.4007, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	CAA070
RGB	202, 160, 112
RGB Percent	79%, 63%, 44%
CMY	0.2079, 0.3725, 0.5607
CMYK	0.00, 0.21, 0.45, 0.21
HSL	32°, 46%, 62%
HSV	32°, 45%, 79%
XYZ	39.8526, 38.8680, 20.7369
YIQ	167.0860, 40.4400, -6.0240

Conversions

Conversions Part 2

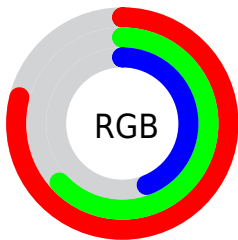
Format	Color
R_{YB}	191, 202, 112
Decimal	13279344
CIE Lab	68.66, 9.34, 30.89
CIE LCh	69, 32.270, 73.178
Yxy	38.8680, 0.4007, 0.3908
Android (android.graphics.Color)	4291469424 (0xFFCAA070)
YUV	167.0860, -27.1574, 30.6196
Hunter-Lab	62.3442, 5.0012, 23.9199

Details

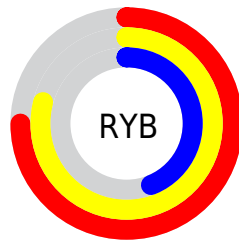
The Yxy color **38.8680, 0.4007, 0.3908** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.8254, 0.2408, 0.2568**, and the grayscale version is **38.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5412, 0.3800, 0.3816**, and **17.4072, 0.4264, 0.4074** is the 20% darker color. If you saturate the color by 10%, you get **35.3234, 0.4258, 0.4035**, and if you desaturate by 10%, it is **42.7651, 0.3772, 0.3769**.

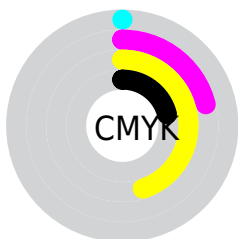
Distribution



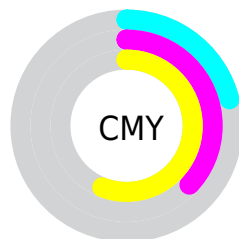
- Red (79%)
- Green (63%)
- Blue (44%)



- Red (75%)
- Yellow (79%)
- Blue (44%)



- Cyan (0%)
- Magenta (21%)
- Yellow (45%)
- Black (21%)





- Cyan (21%)
- Magenta (37%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8680, 0.4007, 0.3908 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 38.8680, 0.4007, 0.3908 by changing the saturation by 10% instead.


 38.8680, 0.4007,
0.3908


 38.8680, 0.4007,
0.3908


341.3290, 0.3556,
0.3606


 26.6571, 0.4120,
0.3978


 73.4366, 0.3842,
0.3801

 17.3158, 0.4264,
0.4064


 96.5631, 0.3780,
0.3760

 10.4599, 0.4452,
0.4169


 124.0969, 0.3728,
0.3725

 5.7050, 0.4703,
0.4293

 156.4223, 0.3684,
0.3695

 2.6665, 0.5245,
0.4601

193.9239, 0.3646,
0.3668

 0.9602, 0.5503,
0.4497

236.9859, 0.3612,

 0.0000, 1.0000,

0.3645

0.0000

285.9928, 0.3583,
0.3624

0.0000, 0.0000,
0.0000

38.8680, 0.4007,
0.3908

38.8680, 0.4007,
0.3908

35.3234, 0.4258,
0.4035

42.7651, 0.3772,
0.3769

32.1134, 0.4519,
0.4139

47.0207, 0.3558,
0.3625

29.2267, 0.4775,
0.4207

51.6474, 0.3367,
0.3484

26.6484, 0.5013,
0.4227

56.6555, 0.3197,
0.3349

24.3616, 0.5217,
0.4194

62.0548, 0.3048,
0.3222

■ 23.2234, 0.5318,
0.4160

■ 67.8547, 0.2918,
0.3103

■ 74.0642, 0.2804,
0.2995

■ 79.4342, 0.2802,
0.3081

■ 84.9891, 0.2809,
0.3182

Harmonies

Analogous

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



38.8680, 0.4077, 0.3556



38.8680, 0.4007, 0.3908



38.8680, 0.3694, 0.4132

Triad

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



38.8680, 0.4007, 0.3908



38.8680, 0.2428, 0.3347



38.8680, 0.2953, 0.2605

Complementary

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



38.8680, 0.4007, 0.3908



30.8254, 0.2408, 0.2568

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.



38.8680, 0.2546, 0.2523



38.8680, 0.4007, 0.3908



38.8680, 0.2262, 0.2907

Square

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



38.8680, 0.4007, 0.3908



38.8680, 0.2780, 0.3814



38.8680, 0.2304, 0.2620



38.8680, 0.3441, 0.2837

Rectangle

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



38.8680, 0.4007, 0.3908



38.8680, 0.3401, 0.4152



38.8680, 0.2304, 0.2620



38.8680, 0.2803, 0.2559

Sweetspot

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



38.8698, 0.4007, 0.3908



88.5692, 0.3342, 0.3465



26.5328, 0.3719, 0.2733



18.5662, 0.3383, 0.3496



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.



38.8698, 0.4007, 0.3908



60.2795, 0.4237, 0.4025



55.7572, 0.3770, 0.4379



12.1878, 0.3277, 0.3414



15.1246, 0.5299, 0.4175



0.9313, 0.5026, 0.4392

Inverse Universe

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



30.8254, 0.2408, 0.2568



45.0377, 0.2261, 0.2386



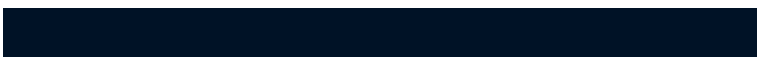
19.4026, 0.2307, 0.1919



11.6927, 0.2983, 0.3163



8.1015, 0.1745, 0.1482



0.5694, 0.1848, 0.1853

Previews

White Background



This preview shows how the Yxy color 38.8680, 0.4007, 0.3908 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 38.8680, 0.4007, 0.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

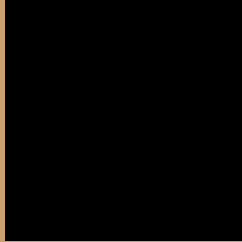
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8680, 0.4007, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 38.8680, 0.4007, 0.3908.



This preview shows how white text looks on a background with the Yxy color 38.8680, 0.4007, 0.3908.

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

38.8680, 0.4007, 0.3908

Protanopia

39.0668, 0.3724, 0.4024

Deuteranopia

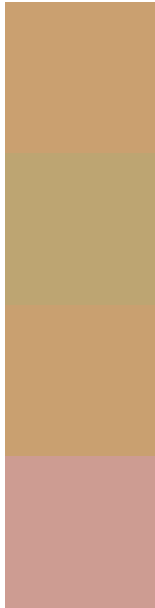
38.7290, 0.3997, 0.3911



Tritanopia

38.7645, 0.3557, 0.3140

Trichromacy



Original Color

38.8680, 0.4007, 0.3908

Protanomaly

38.9440, 0.3829, 0.3979

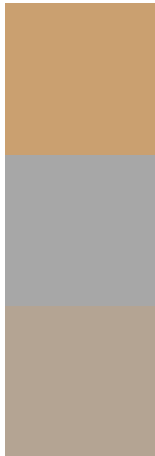
Deuteranomaly

38.7290, 0.3997, 0.3911

Tritanomaly

38.8314, 0.3721, 0.3420

Monochromacy



Original Color

38.8680, 0.4007, 0.3908

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.3608, 0.3435, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8680, 0.4007, 0.3908 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(202, 160, 112)` looks like.

```
.text, #text, p{  
    color:rgb(202, 160, 112)  
}
```

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(202, 160, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 160, 112) }
```

Border

The CSS property to change the border of an element to Yxy 38.8680, 0.4007, 0.3908 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(202, 160, 112) }
```

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

```
.border{ border-color:rgb(202, 160, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 160, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 160, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 160, 112);  
box-shadow:4px 4px 4px 4px rgb(202, 160,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8680, 0.4007, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 160, 112) }
```

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

```
.background{ background-color: rgb(202,  
160, 112) }
```

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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