

Converting Colors

$Yxy(38.0942, 0.4055, 0.3879)$

Have a look what the booklet for
Yxy(38.0942, 0.4055, 0.3879)
contains.

Yxy(38.0990, 0.4055, 0.3879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.0990, 0.4055, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	CC9D6F
RGB	204, 157, 111
RGB Percent	80%, 62%, 44%
CMY	0.2000, 0.3843, 0.5647
CMYK	0.00, 0.23, 0.46, 0.20
HSL	30°, 48%, 62%
HSV	30°, 46%, 80%
XYZ	39.8276, 38.0990, 20.2920
YIQ	165.8090, 42.7780, -4.3420

Conversions

Conversions Part 2

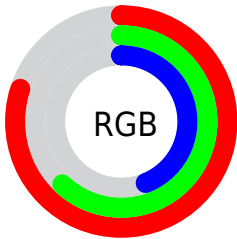
Format	Color
R_{YB}	204, 202, 111
Decimal	13409647
CIE _{Lab}	68.09, 11.68, 30.75
CIE _{LCh}	68, 32.894, 69.195
Yxy	38.0990, 0.4055, 0.3879
Android (android.graphics.Color)	4291599727 (0xFFCC9D6F)
YUV	165.8090, -27.0208, 33.4935
Hunter-Lab	61.7244, 7.1594, 23.7154

Details

The Yxy color **38.0990, 0.4055, 0.3879** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.1888, 0.2400, 0.2603**, and the grayscale version is **38.1544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9913, 0.3818, 0.3797**, and **16.9518, 0.4336, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **34.3593, 0.4321, 0.3995**, and if you desaturate by 10%, it is **42.2392, 0.3809, 0.3750**.

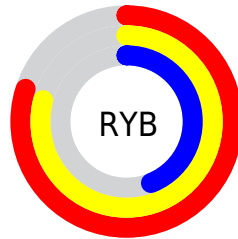
Distribution



Red (80%)

Green (62%)

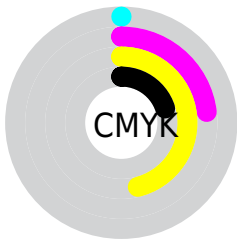
Blue (44%)



Red (80%)

Yellow (79%)

Blue (44%)

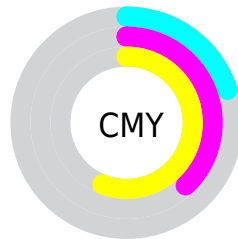


Cyan (0%)

Magenta (23%)

Yellow (46%)

Black (20%)



Cyan (20%)


Magenta (38%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0990, 0.4055, 0.3879 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 38.0990, 0.4055, 0.3879 by changing the saturation by 10% instead.


 38.0990, 0.4055,
0.3879


 38.0990, 0.4055,
0.3879


338.0445, 0.3577,
0.3593

 26.0595, 0.4176,
0.3944


 72.2599, 0.3880,
0.3779


 16.8682, 0.4330,
0.4023


 95.1500, 0.3814,
0.3740

 10.1406, 0.4532,
0.4118


 122.4259, 0.3759,
0.3707

 5.4922, 0.4803,
0.4225

 154.4719, 0.3712,
0.3678

 2.5389, 0.5415,
0.4529

191.6723, 0.3672,
0.3653

 0.8960, 0.5669,
0.4331

234.4116, 0.3636,

 0.0000, 1.0000,

0.3631

0.0000

283.0742, 0.3605,
0.3611

0.0000, 0.0000,
0.0000

38.0990, 0.4055,
0.3879

38.0990, 0.4055,
0.3879

34.3593, 0.4321,
0.3995

42.2392, 0.3809,
0.3750

31.0004, 0.4598,
0.4087

46.7879, 0.3586,
0.3616

28.0087, 0.4872,
0.4142

51.7595, 0.3388,
0.3484

25.3669, 0.5127,
0.4149

57.1661, 0.3214,
0.3358

23.0556, 0.5344,
0.4100

63.0190, 0.3063,
0.3239

■ 22.1294, 0.5432,
0.4069

■ 69.3292, 0.2931,
0.3128

■ 76.1072, 0.2816,
0.3026

■ 82.0646, 0.2817,
0.3125

■ 88.2892, 0.2824,
0.3235

Harmonies

Analogous

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



38.0990, 0.4089, 0.3509



38.0990, 0.4055, 0.3879



38.0990, 0.3761, 0.4135

Triad

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



38.0990, 0.4055, 0.3879



38.0990, 0.2449, 0.3414



38.0990, 0.2886, 0.2568

Complementary

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



38.0990, 0.4055, 0.3879



32.1888, 0.2400, 0.2603

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.



38.0990, 0.2488, 0.2507



38.0990, 0.4055, 0.3879



38.0990, 0.2252, 0.2949

Square

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



38.0990, 0.4055, 0.3879



38.0990, 0.2829, 0.3884



38.0990, 0.2267, 0.2631



38.0990, 0.3383, 0.2788

Rectangle

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



38.0990, 0.4055, 0.3879



38.0990, 0.3470, 0.4182



38.0990, 0.2267, 0.2631



38.0990, 0.2737, 0.2529

Sweetspot

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



38.1008, 0.4055, 0.3879



86.9363, 0.3362, 0.3466



26.7101, 0.3700, 0.2682



18.2050, 0.3403, 0.3494



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.



38.1008, 0.4055, 0.3879



56.8287, 0.4324, 0.3997



56.4369, 0.3805, 0.4382



12.1150, 0.3278, 0.3405



14.1145, 0.5411, 0.4086



0.8800, 0.5111, 0.4324

Inverse Universe

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



32.1888, 0.2400, 0.2603



45.8042, 0.2245, 0.2416



19.4480, 0.2276, 0.1899



11.7652, 0.2983, 0.3172



9.0460, 0.1780, 0.1609



0.6185, 0.1878, 0.1961

Previews

White Background



This preview shows how the Yxy color 38.0990, 0.4055, 0.3879 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 38.0990, 0.4055, 0.3879 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 38.0990, 0.4055, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 38.0990, 0.4055, 0.3879.



This preview shows how white text looks on a background with the Yxy color 38.0990, 0.4055, 0.3879.

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

38.0990, 0.4055, 0.3879

Protanopia

38.2135, 0.3723, 0.4002

Deuteranopia

38.0861, 0.3992, 0.3916



Tritanopia

37.9766, 0.3616, 0.3141

Trichromacy



Original Color

38.0990, 0.4055, 0.3879

Protanomaly

38.2281, 0.3839, 0.3954

Deuteranomaly

38.0189, 0.4018, 0.3899

Tritanomaly

38.0310, 0.3784, 0.3419

Monochromacy



Original Color

38.0990, 0.4055, 0.3879

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.9730, 0.3447, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0990, 0.4055, 0.3879 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(204, 157, 111)` looks like.

```
.text, #text, p{  
    color:rgb(204, 157, 111)  
}
```

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(204, 157, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 157, 111) }
```

Border

The CSS property to change the border of an element to Yxy 38.0990, 0.4055, 0.3879 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(204, 157, 111) }
```

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

```
.border{ border-color:rgb(204, 157, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 157, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 157, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 157, 111);  
box-shadow:4px 4px 4px 4px rgb(204, 157,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0990, 0.4055, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 157, 111) }
```

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

```
.background{ background-color: rgb(204,  
157, 111) }
```

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