

Converting Colors

$Yxy(37.9720, 0.3966, 0.4065)$

Have a look what the booklet for
Yxy(37.9720, 0.3966, 0.4065)
contains.

Yxy(38.0466, 0.3966, 0.4061)	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(38.0466, 0.3966, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	C0A268
RGB	192, 162, 104
RGB Percent	75%, 64%, 41%
CMY	0.2471, 0.3647, 0.5921
CMYK	0.00, 0.16, 0.46, 0.25
HSL	40°, 41%, 58%
HSV	40°, 46%, 75%
XYZ	37.1566, 38.0466, 18.4846
YIQ	164.3580, 36.4980, -11.6780

Conversions

Conversions Part 2

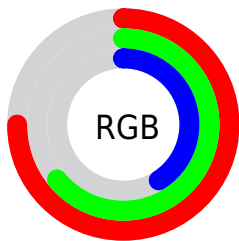
Format	Color
RYB	150, 192, 104
Decimal	12624488
CIELab	68.05, 3.29, 34.18
CIELCh	68, 34.338, 84.500
Yxy	38.0466, 0.3966, 0.4061
Android (android.graphics.Color)	4290814568 (0xFFC0A268)
YUV	164.3580, -29.7565, 24.2420
Hunter-Lab	61.6819, -0.4168, 25.4096

Details

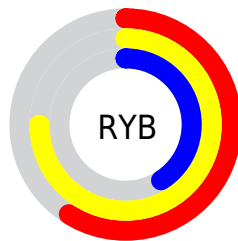
The Yxy color **38.0466, 0.3966, 0.4061** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.7991, 0.2357, 0.2362**, and the grayscale version is **37.4365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3500, 0.3811, 0.3926**, and **16.9631, 0.4208, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **35.4556, 0.4178, 0.4212**, and if you desaturate by 10%, it is **40.8500, 0.3759, 0.3894**.

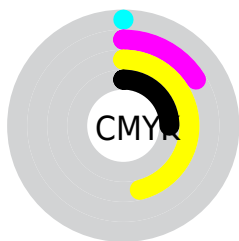
Distribution



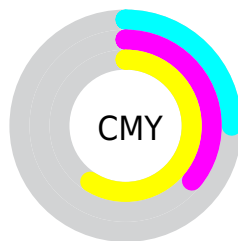
- Red (75%)
- Green (64%)
- Blue (41%)



- Red (59%)
- Yellow (75%)
- Blue (41%)



- Cyan (0%)
- Magenta (16%)
- Yellow (46%)
- Black (25%)



- Cyan (25%)
- Magenta (36%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0466, 0.3966, 0.4061 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 38.0466, 0.3966, 0.4061 by changing the saturation by 10% instead.

 38.0466, 0.3966,
0.4061


 38.0466, 0.3966,
0.4061


337.8198, 0.3540,
0.3676


 26.0189, 0.4071,
0.4153


 72.1796, 0.3811,
0.3923


 16.8377, 0.4203,
0.4267


 95.0536, 0.3753,
0.3870

 10.1189, 0.4371,
0.4410


 122.3118, 0.3704,
0.3826

 5.4778, 0.4587,
0.4583

 154.3386, 0.3661,
0.3787

 2.5303, 0.5039,
0.4961

191.5184, 0.3625,
0.3754

 0.8917, 0.5107,
0.4893

234.2356, 0.3593,

 0.0000, 0.0000,

0.3724

0.0000

282.8746, 0.3565,
0.3699

■ 38.0466, 0.3966,
0.4061

■ 38.0466, 0.3966,
0.4061

■ 35.4556, 0.4178,
0.4212

■ 40.8500, 0.3759,
0.3894

■ 33.0638, 0.4388,
0.4338

■ 43.8677, 0.3563,
0.3722

■ 30.8641, 0.4584,
0.4426

■ 47.1083, 0.3382,
0.3550

■ 28.8467, 0.4758,
0.4468

■ 50.5782, 0.3216,
0.3383

■ 26.9996, 0.4900,
0.4459

■ 54.2836, 0.3067,
0.3225

■ 26.2700, 0.4955,
0.4448

■ 58.2302, 0.2933,
0.3078

■ 62.4235, 0.2814,
0.2941

■ 66.6998, 0.2723,
0.2841

■ 70.0863, 0.2730,
0.2916

Harmonies

Analogous

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



38.0466, 0.4152, 0.3719



38.0466, 0.3966, 0.4061



38.0466, 0.3559, 0.4223

Triad

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



38.0466, 0.3966, 0.4061



38.0466, 0.2289, 0.3157



38.0466, 0.3134, 0.2638

Complementary

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



38.0466, 0.3966, 0.4061



23.7991, 0.2357, 0.2362

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.



38.0466, 0.2652, 0.2486



38.0466, 0.3966, 0.4061



38.0466, 0.2197, 0.2739

Square

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



38.0466, 0.3966, 0.4061



38.0466, 0.2593, 0.3673



38.0466, 0.2324, 0.2513



38.0466, 0.3653, 0.2932

Rectangle

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



38.0466, 0.3966, 0.4061



38.0466, 0.3225, 0.4170



38.0466, 0.2324, 0.2513



38.0466, 0.2962, 0.2569

Sweetspot

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



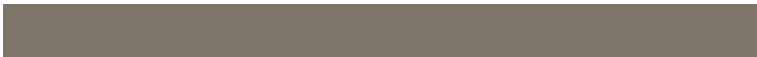
38.0484, 0.3966, 0.4061



86.3423, 0.3354, 0.3522



22.8524, 0.3904, 0.2874



18.2385, 0.3392, 0.3559



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0484, 0.3966, 0.4061



64.2230, 0.4179, 0.4213



48.2559, 0.3678, 0.4449



11.1614, 0.3273, 0.3441



17.8272, 0.4943, 0.4457



0.8940, 0.4736, 0.4622

Inverse Universe

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



23.7991, 0.2357, 0.2362



35.2704, 0.2182, 0.2113



17.5048, 0.2388, 0.1915



10.2967, 0.2984, 0.3134



5.2700, 0.1644, 0.1117



0.3569, 0.1773, 0.1583

Previews

White Background



This preview shows how the Yxy color 38.0466, 0.3966, 0.4061 looks on a white background.

Color Contrast Check

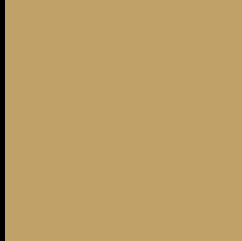
Large Text (above 18pt) WCAG AA × Fail

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 38.0466, 0.3966, 0.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

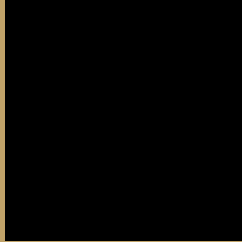
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0466, 0.3966, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 38.0466, 0.3966, 0.4061.



This preview shows how white text looks on a background with the Yxy color 38.0466, 0.3966, 0.4061.

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

38.0466, 0.3966, 0.4061

Protanopia

38.1368, 0.3813, 0.4120

Deuteranopia

38.0956, 0.4058, 0.3988



Tritanopia

37.8701, 0.3455, 0.3135

Trichromacy



Original Color

38.0466, 0.3966, 0.4061

Protanomaly

38.2445, 0.3868, 0.4108

Deuteranomaly

38.0318, 0.4021, 0.4009

Tritanomaly

37.8329, 0.3656, 0.3477

Monochromacy



Original Color

38.0466, 0.3966, 0.4061

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.1461, 0.3425, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0466, 0.3966, 0.4061 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(192, 162, 104)` looks like.

```
.text, #text, p{  
    color:rgb(192, 162, 104)  
}
```

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(192, 162, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 162, 104) }
```

Border

The CSS property to change the border of an element to Yxy 38.0466, 0.3966, 0.4061 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(192, 162, 104) }
```

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

```
.border{ border-color:rgb(192, 162, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 162, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 162, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 162, 104);  
box-shadow:4px 4px 4px 4px rgb(192, 162,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0466, 0.3966, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 162, 104) }
```

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

```
.background{ background-color: rgb(192,  
162, 104) }
```

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