

Converting Colors

$Yxy(38.0757, 0.4036, 0.4062)$

Have a look what the booklet for
Yxy(38.0757, 0.4036, 0.4062)
contains.

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Color

Yxy(38.1848, 0.4031, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	C4A166
RGB	196, 161, 102
RGB Percent	77%, 63%, 40%
CMY	0.2315, 0.3686, 0.6000
CMYK	0.00, 0.18, 0.48, 0.23
HSL	38°, 44%, 58%
HSV	38°, 48%, 77%
XYZ	37.9027, 38.1848, 17.9406
YIQ	164.7390, 39.7990, -10.9290

Conversions

Conversions Part 2

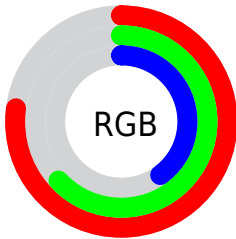
Format	Color
RYB	158, 196, 102
Decimal	12886374
CIELab	68.16, 5.28, 35.45
CIELCh	68, 35.844, 81.523
Yxy	38.1848, 0.4031, 0.4061
Android (android.graphics.Color)	4291076454 (0xFFC4A166)
YUV	164.7390, -30.9303, 27.4159
Hunter-Lab	61.7939, 1.3479, 26.0421

Details

The Yxy color **38.1848, 0.4031, 0.4061** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.6859, 0.2327, 0.2357**, and the grayscale version is **37.6315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5157, 0.3861, 0.3928**, and **16.9844, 0.4283, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **35.3683, 0.4254, 0.4202**, and if you desaturate by 10%, it is **41.2454, 0.3814, 0.3903**.

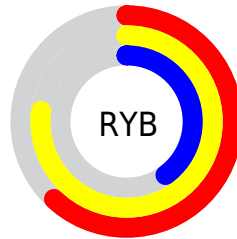
Distribution



Red (77%)

Green (63%)

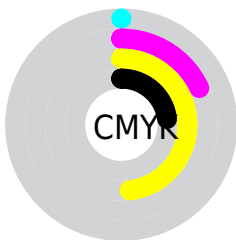
Blue (40%)



Red (62%)

Yellow (77%)

Blue (40%)

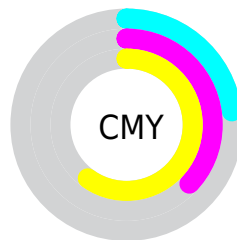


Cyan (0%)

Magenta (18%)

Yellow (48%)

Black (23%)



Cyan (23%)

Magenta (37%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1848, 0.4031, 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 38.1848, 0.4031, 0.4061 by changing the saturation by 10% instead.


 38.1848, 0.4031,
0.4061


 38.1848, 0.4031,
0.4061


338.4120, 0.3572,
0.3680

 26.1261, 0.4144,
0.4150


 72.3913, 0.3865,
0.3926


 16.9180, 0.4285,
0.4260


 95.3079, 0.3802,
0.3874

 10.1761, 0.4465,
0.4393


 122.6127, 0.3749,
0.3829

 5.5159, 0.4695,
0.4550

 154.6900, 0.3703,
0.3791

 2.5530, 0.5137,
0.4863

191.9241, 0.3664,
0.3758

 0.9031, 0.5244,
0.4756

234.6996, 0.3629,

 0.0000, 0.0000,

0.3729

0.0000

283.4008, 0.3599,
0.3703

■ 38.1848, 0.4031,
0.4061

■ 38.1848, 0.4031,
0.4061

■ 35.3683, 0.4254,
0.4202

■ 41.2454, 0.3814,
0.3903

■ 32.7814, 0.4474,
0.4314

■ 44.5529, 0.3610,
0.3738

■ 30.4159, 0.4681,
0.4387

■ 48.1172, 0.3422,
0.3573

■ 28.2604, 0.4862,
0.4411

■ 51.9455, 0.3251,
0.3412

■ 26.2990, 0.5013,
0.4386

■ 56.0448, 0.3097,
0.3260

■ 25.9175, 0.5043,
0.4378

■ 60.4219, 0.2960,
0.3117

■ 65.0830, 0.2839,
0.2984

■ 69.7890, 0.2753,
0.2901

■ 73.6840, 0.2759,
0.2982

Harmonies

Analogous

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



38.1848, 0.4198, 0.3693



38.1848, 0.4031, 0.4061



38.1848, 0.3623, 0.4258

Triad

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



38.1848, 0.4031, 0.4061



38.1848, 0.2278, 0.3201



38.1848, 0.3079, 0.2590

Complementary

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



38.1848, 0.4031, 0.4061



24.6859, 0.2327, 0.2357

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.



38.1848, 0.2590, 0.2449



38.1848, 0.4031, 0.4061



38.1848, 0.2161, 0.2750

Square

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



38.1848, 0.4031, 0.4061



38.1848, 0.2613, 0.3742



38.1848, 0.2270, 0.2495



38.1848, 0.3624, 0.2882

Rectangle

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



38.1848, 0.4031, 0.4061



38.1848, 0.3279, 0.4228



38.1848, 0.2270, 0.2495



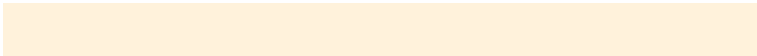
38.1848, 0.2902, 0.2524

Sweetspot

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



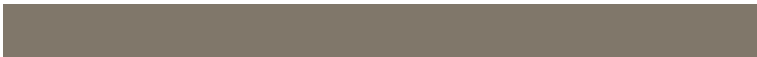
38.1866, 0.4031, 0.4061



89.7284, 0.3356, 0.3512



23.0690, 0.3915, 0.2814



18.8855, 0.3394, 0.3548



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.



38.1866, 0.4031, 0.4061



63.6256, 0.4275, 0.4214



50.7427, 0.3729, 0.4489



11.1082, 0.3274, 0.3434



16.8274, 0.5028, 0.4390



0.8555, 0.4795, 0.4574

Inverse Universe

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



24.6859, 0.2327, 0.2357



36.2329, 0.2143, 0.2095



16.9934, 0.2317, 0.1830



10.3480, 0.2984, 0.3141



5.7672, 0.1667, 0.1201



0.3817, 0.1795, 0.1663

Previews

White Background



This preview shows how the Yxy color 38.1848, 0.4031, 0.4061 looks on a white background.

Color Contrast Check

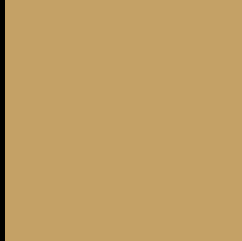
Large Text (above 18pt) WCAG AA × Fail

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 38.1848, 0.4031, 0.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

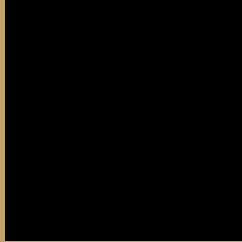
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1848, 0.4031, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 38.1848, 0.4031, 0.4061.

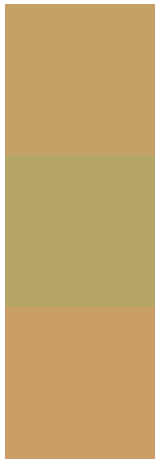


This preview shows how white text looks on a background with the Yxy color 38.1848, 0.4031, 0.4061.

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

38.1848, 0.4031, 0.4061

Protanopia

38.0957, 0.3830, 0.4146

Deuteranopia

38.1731, 0.4095, 0.4021



Tritanopia

38.0556, 0.3507, 0.3137

Trichromacy



Original Color

38.1848, 0.4031, 0.4061

Protanomaly

37.9693, 0.3901, 0.4118

Deuteranomaly

38.2430, 0.4068, 0.4039

Tritanomaly

38.0093, 0.3711, 0.3475

Monochromacy



Original Color

38.1848, 0.4031, 0.4061

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7340, 0.3442, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1848, 0.4031, 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(196, 161, 102)` looks like.

```
.text, #text, p{  
    color:rgb(196, 161, 102)  
}
```

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(196, 161, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 161, 102) }
```

Border

The CSS property to change the border of an element to Yxy 38.1848, 0.4031, 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(196, 161, 102) }
```

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

```
.border{ border-color:rgb(196, 161, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 161, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 161, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 161, 102);  
box-shadow:4px 4px 4px 4px rgb(196, 161,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1848, 0.4031, 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(196, 161, 102) }
```

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

```
.background{ background-color: rgb(196,  
161, 102) }
```

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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