

Converting Colors

$Yxy(38.1008, 0.4147, 0.3997)$

Have a look what the booklet for
Yxy(38.1008, 0.4147, 0.3997)
contains.

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Color

Yxy(37.8909, 0.4148, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	CC9D65
RGB	204, 157, 101
RGB Percent	80%, 62%, 40%
CMY	0.2001, 0.3843, 0.6039
CMYK	0.00, 0.23, 0.50, 0.20
HSL	33°, 50%, 60%
HSV	33°, 50%, 80%
XYZ	39.3027, 37.8909, 17.5573
YIQ	164.6690, 45.9880, -7.4520

Conversions

Conversions Part 2

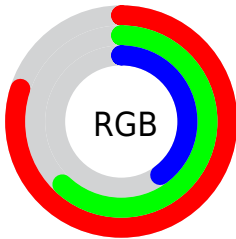
Format	Color
RYB	187, 204, 101
Decimal	13409637
CIELab	67.94, 10.69, 35.87
CIElCh	68, 37.426, 73.398
Yxy	37.8909, 0.4148, 0.3999
Android (android.graphics.Color)	4291599717 (0xFFCC9D65)
YUV	164.6690, -31.3888, 34.4933
Hunter-Lab	61.5556, 6.2484, 26.1778

Details

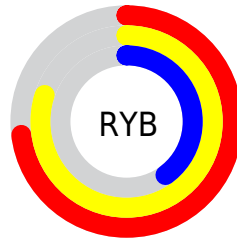
The Yxy color **37.8909, 0.4148, 0.3999** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.2964, 0.2309, 0.2433**, and the grayscale version is **37.5974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6469, 0.3892, 0.3898**, and **16.7590, 0.4439, 0.4178** is the 20% darker color. If you saturate the color by 10%, you get **34.5119, 0.4402, 0.4116**, and if you desaturate by 10%, it is **41.6125, 0.3905, 0.3863**.

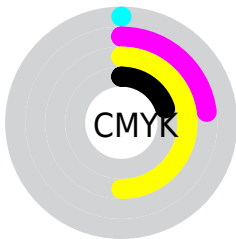
Distribution



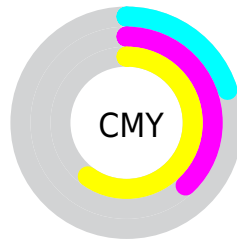
- Red (80%)
- Green (62%)
- Blue (40%)



- Red (73%)
- Yellow (80%)
- Blue (40%)



- Cyan (0%)
- Magenta (23%)
- Yellow (50%)
- Black (20%)





- Cyan (20%)
- Magenta (38%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8909, 0.4148, 0.3999 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 37.8909, 0.4148, 0.3999 by changing the saturation by 10% instead.

 37.8909, 0.4148,
0.3999


 37.8909, 0.4148,
0.3999


337.1517, 0.3626,
0.3657

 25.8980, 0.4277,
0.4076

 71.9409, 0.3958,
0.3880


 16.7474, 0.4440,
0.4167


 94.7668, 0.3887,
0.3833

 10.0545, 0.4648,
0.4273


 121.9725, 0.3826,
0.3793

 5.4351, 0.4918,
0.4388

 153.9424, 0.3775,
0.3759

 2.5048, 0.5401,
0.4599

191.0608, 0.3730,
0.3728

 0.8790, 0.5610,
0.4390

233.7123, 0.3691,

 0.0000, 1.0000,

0.3702

0.0000

282.2811, 0.3657,
0.3678

■ 0.0000, 0.0000,
0.0000

■ 37.8909, 0.4148,
0.3999

■ 37.8909, 0.4148,
0.3999

■ 34.5119, 0.4402,
0.4116

■ 41.6125, 0.3905,
0.3863

■ 31.4571, 0.4657,
0.4202

■ 45.6831, 0.3680,
0.3719

■ 28.7145, 0.4899,
0.4245

■ 50.1155, 0.3477,
0.3573

■ 26.2682, 0.5113,
0.4236

■ 54.9203, 0.3295,
0.3431

■ 24.1907, 0.5287,
0.4184

■ 60.1075, 0.3134,
0.3296

■ 65.6865, 0.2993,
0.3170

■ 71.6665, 0.2869,
0.3053

■ 77.4501, 0.2811,
0.3039

■ 82.8099, 0.2817,
0.3139

Harmonies

Analogous

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



37.8909, 0.4239, 0.3588



37.8909, 0.4148, 0.3999



37.8909, 0.3776, 0.4273

Triad

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



37.8909, 0.4148, 0.3999



37.8909, 0.2314, 0.3347



37.8909, 0.2925, 0.2504

Complementary

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



37.8909, 0.4148, 0.3999



28.2964, 0.2309, 0.2433

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.



37.8909, 0.2456, 0.2407



37.8909, 0.4148, 0.3999



37.8909, 0.2130, 0.2833

Square

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



37.8909, 0.4148, 0.3999



37.8909, 0.2715, 0.3907



37.8909, 0.2180, 0.2510



37.8909, 0.3496, 0.2770

Rectangle

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



37.8909, 0.4148, 0.3999



37.8909, 0.3433, 0.4306



37.8909, 0.2180, 0.2510



37.8909, 0.2751, 0.2451

Sweetspot

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



37.8927, 0.4148, 0.3999



87.1472, 0.3378, 0.3497



24.3155, 0.3861, 0.2684



18.2915, 0.3417, 0.3528



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.



37.8927, 0.4148, 0.3999



56.4746, 0.4436, 0.4129



56.4663, 0.3830, 0.4515



12.2079, 0.3277, 0.3416



15.4187, 0.5268, 0.4199



0.9460, 0.5003, 0.4410

Inverse Universe

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



28.2964, 0.2309, 0.2433



38.7946, 0.2134, 0.2197



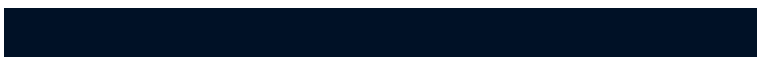
16.6383, 0.2194, 0.1713



11.6728, 0.2983, 0.3161



7.8571, 0.1736, 0.1448



0.5564, 0.1840, 0.1824

Previews

White Background



This preview shows how the Yxy color 37.8909, 0.4148, 0.3999 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 37.8909, 0.4148, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

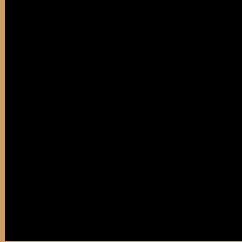
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8909, 0.4148, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 37.8909, 0.4148, 0.3999.



This preview shows how white text looks on a background with the Yxy color 37.8909, 0.4148, 0.3999.

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

37.8909, 0.4148, 0.3999

Protanopia

38.0957, 0.3830, 0.4146

Deuteranopia

37.8108, 0.4111, 0.4020



Tritanopia

37.9412, 0.3627, 0.3153

Trichromacy



Original Color

37.8909, 0.4148, 0.3999

Protanomaly

37.9925, 0.3938, 0.4096

Deuteranomaly

37.9499, 0.4121, 0.4017

Tritanomaly

37.9119, 0.3825, 0.3471

Monochromacy



Original Color

37.8909, 0.4148, 0.3999

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.3774, 0.3477, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8909, 0.4148, 0.3999 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(204, 157, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 157, 101) }
```

Border

The CSS property to change the border of an element to Yxy 37.8909, 0.4148, 0.3999 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, 101) }
```

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

```
.border{ border-color:rgb(204, 157, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 157, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 157, 101);  
box-shadow:4px 4px 4px 4px rgb(204, 157,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8909, 0.4148, 0.3999 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, 101) }
```

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

```
.background{ background-color: rgb(204,  
157, 101) }
```

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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