

Converting Colors

$Yxy(37.4454, 0.4046, 0.4013)$

Have a look what the booklet for
Yxy(37.4454, 0.4046, 0.4013)
contains.

Yxy(37.3033, 0.4052, 0.4009)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3033, 0.4052, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	C59E67
RGB	197, 158, 103
RGB Percent	77%, 62%, 40%
CMY	0.2274, 0.3804, 0.5961
CMYK	0.00, 0.20, 0.48, 0.23
HSL	35°, 45%, 59%
HSV	35°, 48%, 77%
XYZ	37.7034, 37.3033, 18.0422
YIQ	163.3910, 40.8990, -8.8370

Conversions

Conversions Part 2

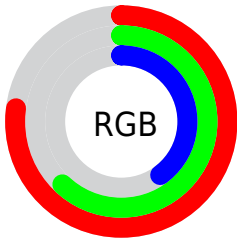
Format	Color
RYB	170, 197, 103
Decimal	12951143
CIELab	67.50, 7.45, 34.12
CIElCh	68, 34.925, 77.682
Yxy	37.3033, 0.4052, 0.4009
Android (android.graphics.Color)	4291141223 (0xFFC59E67)
YUV	163.3910, -29.7728, 29.4751
Hunter-Lab	61.0764, 3.3070, 25.2390

Details

The Yxy color **37.3033, 0.4052, 0.4009** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.2625, 0.2343, 0.2428**, and the grayscale version is **36.9505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2151, 0.3873, 0.3888**, and **16.4539, 0.4310, 0.4188** is the 20% darker color. If you saturate the color by 10%, you get **34.2582, 0.4289, 0.4141**, and if you desaturate by 10%, it is **40.6307, 0.3825, 0.3861**.

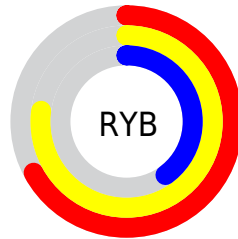
Distribution



Red (77%)

Green (62%)

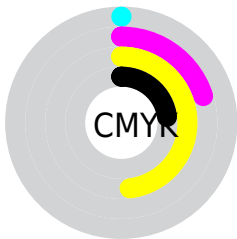
Blue (40%)



Red (67%)

Yellow (77%)

Blue (40%)

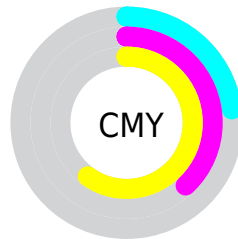


Cyan (0%)

Magenta (20%)

Yellow (48%)

Black (23%)



Cyan (23%)


Magenta (38%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3033, 0.4052, 0.4009 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 37.3033, 0.4052, 0.4009 by changing the saturation by 10% instead.


 37.3033, 0.4052,
0.4009


 37.3033, 0.4052,
0.4009


334.6218, 0.3578,
0.3655


 25.4424, 0.4170,
0.4092


 71.0390, 0.3879,
0.3884

 16.4070, 0.4319,
0.4192


 93.6826, 0.3814,
0.3835

 9.8126, 0.4511,
0.4314


 120.6893, 0.3760,
0.3794

 5.2749, 0.4760,
0.4455

 152.4433, 0.3713,
0.3758

 2.4094, 0.5250,
0.4750

189.3292, 0.3672,
0.3727

 0.8307, 0.5408,
0.4592

231.7313, 0.3637,

 0.0000, 0.0000,

0.3700

0.0000

280.0341, 0.3606,
0.3676

■ 37.3033, 0.4052,
0.4009

■ 37.3033, 0.4052,
0.4009

■ 34.2582, 0.4289,
0.4141

■ 40.6307, 0.3825,
0.3861

■ 31.4798, 0.4527,
0.4246

■ 44.2446, 0.3613,
0.3705

■ 28.9587, 0.4754,
0.4311


■ 48.1556, 0.3421,
0.3551


■ 26.6823, 0.4957,
0.4327

■ 52.3721, 0.3248,
0.3401


■ 24.6338, 0.5128,
0.4292

■ 56.9021, 0.3094,
0.3258

 24.1942, 0.5165,
0.4281

 61.7532, 0.2958,
0.3126

 66.9327, 0.2837,
0.3003

 72.0815, 0.2762,
0.2947

 76.5664, 0.2770,
0.3037

Harmonies

Analogous

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



37.3033, 0.4177, 0.3635



37.3033, 0.4052, 0.4009



37.3033, 0.3676, 0.4230

Triad

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



37.3033, 0.4052, 0.4009



37.3033, 0.2323, 0.3270



37.3033, 0.3012, 0.2575

Complementary

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



37.3033, 0.4052, 0.4009



26.2625, 0.2343, 0.2428

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.



37.3033, 0.2549, 0.2458



37.3033, 0.4052, 0.4009



37.3033, 0.2179, 0.2807

Square

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



37.3033, 0.4052, 0.4009



37.3033, 0.2677, 0.3797



37.3033, 0.2258, 0.2529



37.3033, 0.3549, 0.2846

Rectangle

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



37.3033, 0.4052, 0.4009



37.3033, 0.3345, 0.4227



37.3033, 0.2258, 0.2529



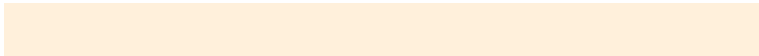
37.3033, 0.2843, 0.2516

Sweetspot

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



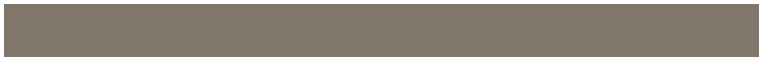
37.3051, 0.4052, 0.4009



88.8204, 0.3358, 0.3497



23.5290, 0.3866, 0.2775



18.6639, 0.3397, 0.3530



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.



37.3051, 0.4052, 0.4009



61.2687, 0.4293, 0.4143



51.7599, 0.3754, 0.4472



11.6507, 0.3275, 0.3425



16.0791, 0.5149, 0.4294



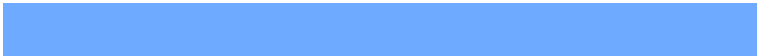
0.9019, 0.4898, 0.4493

Inverse Universe

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



26.2625, 0.2343, 0.2428



39.2478, 0.2178, 0.2203



17.0988, 0.2294, 0.1828



10.9984, 0.2983, 0.3151



6.7518, 0.1701, 0.1323



0.4620, 0.1817, 0.1741

Previews

White Background



This preview shows how the Yxy color 37.3033, 0.4052, 0.4009 looks on a white background.

Color Contrast Check

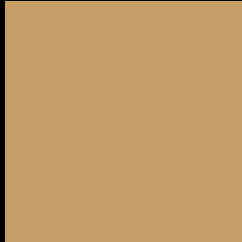
Large Text (above 18pt) WCAG AA × Fail

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 37.3033, 0.4052, 0.4009 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 37.3033, 0.4052, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 37.3033, 0.4052, 0.4009.



This preview shows how white text looks on a background with the Yxy color 37.3033, 0.4052, 0.4009.

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

37.3033, 0.4052, 0.4009

Protanopia

37.5346, 0.3798, 0.4114

Deuteranopia

37.2353, 0.4079, 0.3991



Tritanopia

37.4384, 0.3552, 0.3150

Trichromacy



Original Color

37.3033, 0.4052, 0.4009

Protanomaly

37.2997, 0.3895, 0.4068

Deuteranomaly

37.0990, 0.4069, 0.3994

Tritanomaly

37.4518, 0.3739, 0.3461

Monochromacy



Original Color

37.3033, 0.4052, 0.4009

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.5268, 0.3449, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3033, 0.4052, 0.4009 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(197, 158, 103)` looks like.

```
.text, #text, p{  
    color:rgb(197, 158, 103)  
}
```

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(197, 158, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 158, 103) }
```

Border

The CSS property to change the border of an element to Yxy 37.3033, 0.4052, 0.4009 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(197, 158, 103) }
```

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

```
.border{ border-color:rgb(197, 158, 103) }
```

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

Here you see how a box with a 4 pixel rgb(197, 158, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 158, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 158, 103);  
box-shadow:4px 4px 4px 4px rgb(197, 158,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3033, 0.4052, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 158, 103) }
```

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

```
.background{ background-color: rgb(197,  
158, 103) }
```

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