

Converting Colors

$Y_{xy}(40.4191, 0.4129, 0.4048)$

Have a look what the booklet for
Yxy(40.4191, 0.4129, 0.4048)
contains.

Yxy(40.4191, 0.4129, 0.4048)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.4191, 0.4129, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	CFA366
RGB	207, 163, 102
RGB Percent	81%, 64%, 40%
CMY	0.1882, 0.3608, 0.5999
CMYK	0.00, 0.21, 0.51, 0.19
HSL	35°, 52%, 61%
HSV	35°, 51%, 81%
XYZ	41.2279, 40.4191, 18.2026
YIQ	169.2020, 45.8050, -9.6430

Conversions

Conversions Part 2

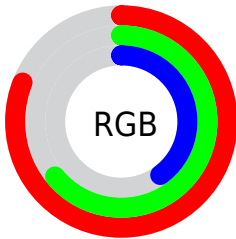
Format	Color
RYB	178, 207, 102
Decimal	13607782
CIELab	69.77, 8.80, 37.70
CIElCh	70, 38.712, 76.854
Yxy	40.4191, 0.4129, 0.4048
Android (android.graphics.Color)	4291797862 (0xFFCFA366)
YUV	169.2020, -33.1306, 33.1488
Hunter-Lab	63.5760, 4.4959, 27.5278

Details

The Yxy color **40.4191, 0.4129, 0.4048** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.8910, 0.2292, 0.2366**, and the grayscale version is **39.9332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7359, 0.3860, 0.3946**, and **18.1100, 0.4409, 0.4223** is the 20% darker color. If you saturate the color by 10%, you get **37.0846, 0.4370, 0.4172**, and if you desaturate by 10%, it is **44.0713, 0.3896, 0.3904**.

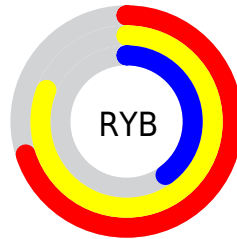
Distribution



Red (81%)

Green (64%)

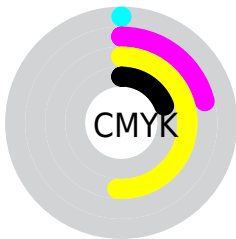
Blue (40%)



Red (70%)

Yellow (81%)

Blue (40%)

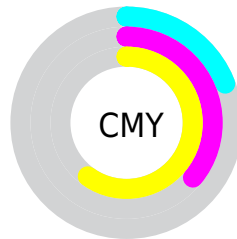


Cyan (0%)

Magenta (21%)

Yellow (51%)

Black (19%)



Cyan (19%)


Magenta (36%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4191, 0.4129, 0.4048 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 40.4191, 0.4129, 0.4048 by changing the saturation by 10% instead.


 40.4191, 0.4129,
0.4048


 40.4191, 0.4129,
0.4048


347.8869, 0.3624,
0.3683

 27.8655, 0.4251,
0.4130


 75.8013, 0.3947,
0.3921

 18.2243, 0.4404,
0.4227


 99.3986, 0.3878,
0.3872

 11.1111, 0.4597,
0.4341


 127.4460, 0.3820,
0.3829

 6.1416, 0.4840,
0.4467

 160.3277, 0.3770,
0.3792

 2.9314, 0.5289,
0.4711

198.4283, 0.3726,
0.3760

 1.0960, 0.5444,
0.4556

242.1321, 0.3688,


 0.0000, 1.0000,


0.3731


0.0000


291.8235, 0.3654,
0.3706


 0.0000, 0.0000,
0.0000

 40.4191, 0.4129,
0.4048


 40.4191, 0.4129,
0.4048


 37.0846, 0.4370,
0.4172


 44.0713, 0.3896,
0.3904


 34.0501, 0.4608,
0.4265

 48.0465, 0.3678,
0.3751


 31.3041, 0.4832,
0.4315

 52.3569, 0.3478,
0.3596

 28.8318, 0.5027,
0.4312

 57.0124, 0.3298,
0.3444

 26.7597, 0.5181,
0.4268

 62.0220, 0.3138,
0.3300

■ 67.3948, 0.2996,
0.3165

■ 73.1390, 0.2871,
0.3039

■ 78.4236, 0.2830,
0.3050

■ 83.4394, 0.2835,
0.3143

Harmonies

Analogous

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



40.4191, 0.4259, 0.3641



40.4191, 0.4129, 0.4048



40.4191, 0.3727, 0.4301

Triad

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



40.4191, 0.4129, 0.4048



40.4191, 0.2271, 0.3280



40.4191, 0.2986, 0.2519

Complementary

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



40.4191, 0.4129, 0.4048



27.8910, 0.2292, 0.2366

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.



40.4191, 0.2494, 0.2399



40.4191, 0.4129, 0.4048



40.4191, 0.2113, 0.2778

Square

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



40.4191, 0.4129, 0.4048



40.4191, 0.2654, 0.3855



40.4191, 0.2191, 0.2478



40.4191, 0.3566, 0.2803

Rectangle

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



40.4191, 0.4129, 0.4048



40.4191, 0.3372, 0.4310



40.4191, 0.2191, 0.2478



40.4191, 0.2805, 0.2459

Sweetspot

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



40.4210, 0.4129, 0.4048



87.9730, 0.3376, 0.3511



24.8935, 0.3915, 0.2723



18.4905, 0.3415, 0.3543



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.



40.4210, 0.4129, 0.4048



58.9171, 0.4394, 0.4183



57.8638, 0.3804, 0.4535



12.9327, 0.3276, 0.3425



17.0509, 0.5163, 0.4282



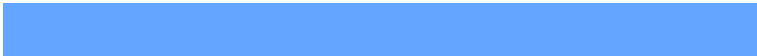
1.1084, 0.4938, 0.4461

Inverse Universe

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



27.8910, 0.2292, 0.2366



36.6762, 0.2117, 0.2119



17.2628, 0.2215, 0.1713



12.2201, 0.2982, 0.3151



7.2848, 0.1703, 0.1331



0.5626, 0.1804, 0.1696

Previews

White Background



This preview shows how the Yxy color 40.4191, 0.4129, 0.4048 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 40.4191, 0.4129, 0.4048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

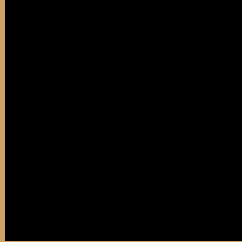
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4191, 0.4129, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 40.4191, 0.4129, 0.4048.



This preview shows how white text looks on a background with the Yxy color 40.4191, 0.4129, 0.4048.

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

40.4191, 0.4129, 0.4048

Protanopia

40.5848, 0.3845, 0.4176

Deuteranopia

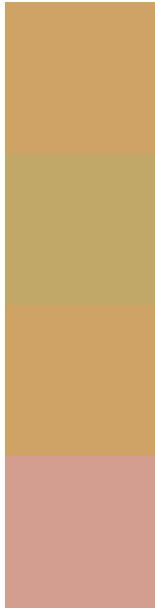
40.4191, 0.4129, 0.4048



Tritanopia

40.3788, 0.3592, 0.3144

Trichromacy



Original Color

40.4191, 0.4129, 0.4048

Protanomaly

40.4741, 0.3950, 0.4126

Deuteranomaly

40.4191, 0.4129, 0.4048

Tritanomaly

40.2858, 0.3805, 0.3480

Monochromacy



Original Color

40.4191, 0.4129, 0.4048

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.7490, 0.3476, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4191, 0.4129, 0.4048 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(207, 163, 102)` looks like.

```
.text, #text, p{  
    color:rgb(207, 163, 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(207, 163, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 163, 102) }
```

Border

The CSS property to change the border of an element to Yxy 40.4191, 0.4129, 0.4048 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(207, 163, 102) }
```

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

```
.border{ border-color:rgb(207, 163, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 163, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 163, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 163, 102);  
box-shadow:4px 4px 4px 4px rgb(207, 163,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4191, 0.4129, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 163, 102) }
```

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

```
.background{ background-color: rgb(207,  
163, 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](#).

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