

Converting Colors

$Y_{xy}(40.8150, 0.4284, 0.4410)$

Have a look what the booklet for
Yxy(40.8150, 0.4284, 0.4410)
contains.

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Color

Yxy(40.8150, 0.4284, 0.4410)

Conversions

Conversions Part 1

Format	Color
Hex	CBA749
RGB	203, 167, 73
RGB Percent	80%, 65%, 29%
CMY	0.2039, 0.3451, 0.7138
CMYK	0.00, 0.18, 0.64, 0.20
HSL	43°, 56%, 54%
HSV	43°, 64%, 80%
XYZ	39.6489, 40.8150, 12.0872
YIQ	167.0480, 51.6300, -21.6020

Conversions

Conversions Part 2

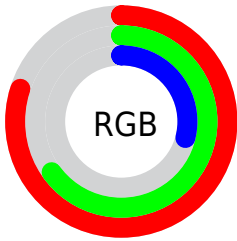
Format	Color
RYB	123, 203, 73
Decimal	13346633
CIELab	70.05, 2.71, 52.23
CIELCh	70, 52.304, 87.034
Yxy	40.8150, 0.4284, 0.4410
Android (android.graphics.Color)	4291536713 (0xFFCBA749)
YUV	167.0480, -46.3657, 31.5299
Hunter-Lab	63.8866, -1.0222, 33.5031

Details

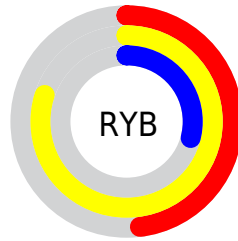
The Yxy color **40.8150, 0.4284, 0.4410** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.6575, 0.2013, 0.1765**, and the grayscale version is **38.8795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9832, 0.4034, 0.4256**, and **18.3249, 0.4547, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **38.5759, 0.4457, 0.4516**, and if you desaturate by 10%, it is **43.2354, 0.4095, 0.4268**.

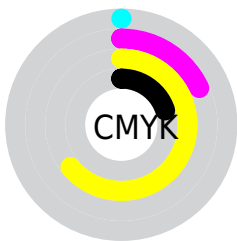
Distribution



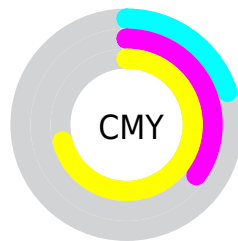
- Red (80%)
- Green (65%)
- Blue (29%)



- Red (48%)
- Yellow (80%)
- Blue (29%)



- Cyan (0%)
- Magenta (18%)
- Yellow (64%)
- Black (20%)





- Cyan (20%)
- Magenta (35%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8150, 0.4284, 0.4410 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 40.8150, 0.4284, 0.4410 by changing the saturation by 10% instead.

 40.8150, 0.4284,
0.4410


 40.8150, 0.4284,
0.4410


349.5468, 0.3726,
0.3878

 28.1746, 0.4406,
0.4522


 76.4030, 0.4092,
0.4230


 18.4573, 0.4547,
0.4650


 100.1193, 0.4016,
0.4157

 11.2788, 0.4706,
0.4788


 128.2964, 0.3951,
0.4095

 6.2547, 0.4975,
0.5025

 161.3186, 0.3894,
0.4040

 3.0006, 0.5003,
0.4997

 199.5704, 0.3844,
0.3992

 1.1320, 0.5052,
0.4948

243.4361, 0.3800,

 0.0051, 0.9328,

0.3950

0.0672

293.3001, 0.3761,
0.3912

0.0000, 0.0000,
0.0000

40.8150, 0.4284,
0.4410

40.8150, 0.4284,
0.4410

38.5759, 0.4457,
0.4516

43.2354, 0.4095,
0.4268

36.5020, 0.4607,
0.4577

45.8400, 0.3901,
0.4100

34.5835, 0.4728,
0.4589

48.6386, 0.3708,
0.3918

33.5036, 0.4789,
0.4580

51.6387, 0.3523,
0.3729

54.8469, 0.3349,
0.3542

■ 58.2698, 0.3188,
0.3361

■ 61.9132, 0.3042,
0.3189

■ 65.7829, 0.2910,
0.3028

■ 69.8408, 0.2795,
0.2886

Harmonies

Analogous

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



40.8150, 0.4623, 0.3896



40.8150, 0.4284, 0.4410



40.8150, 0.3657, 0.4693

Triad

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



40.8150, 0.4284, 0.4410



40.8150, 0.1905, 0.2998



40.8150, 0.3186, 0.2397

Complementary

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



40.8150, 0.4284, 0.4410



16.6575, 0.2013, 0.1765

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.



40.8150, 0.2481, 0.2167



40.8150, 0.4284, 0.4410



40.8150, 0.1817, 0.2429

Square

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



40.8150, 0.4284, 0.4410



40.8150, 0.2289, 0.3798



40.8150, 0.2012, 0.2164



40.8150, 0.3963, 0.2808

Rectangle

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



40.8150, 0.4284, 0.4410



40.8150, 0.3169, 0.4623



40.8150, 0.2012, 0.2164



40.8150, 0.2931, 0.2297

Sweetspot

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



40.8170, 0.4284, 0.4410



89.0028, 0.3438, 0.3639



18.5800, 0.4579, 0.2854



18.7206, 0.3489, 0.3694



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.



40.8170, 0.4284, 0.4410



63.1821, 0.4520, 0.4546



52.2854, 0.3765, 0.4898



12.5512, 0.3272, 0.3457



21.4816, 0.4778, 0.4588



1.2314, 0.4639, 0.4698

Inverse Universe

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



16.6575, 0.2013, 0.1765



19.9496, 0.1803, 0.1397



11.8490, 0.2102, 0.1343



11.3411, 0.2983, 0.3117



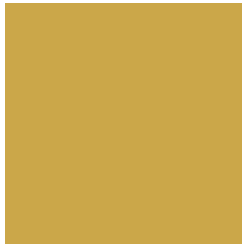
4.6887, 0.1599, 0.0957



0.3716, 0.1710, 0.1355

Previews

White Background



This preview shows how the Yxy color 40.8150, 0.4284, 0.4410 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 40.8150, 0.4284, 0.4410 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 40.8150, 0.4284, 0.4410

Background



This preview shows how black text looks on a background with the Yxy color 40.8150, 0.4284, 0.4410.



This preview shows how white text looks on a background with the Yxy color 40.8150, 0.4284, 0.4410.

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

40.8150, 0.4284, 0.4410

Protanopia

41.0758, 0.4119, 0.4515

Deuteranopia

40.8349, 0.4408, 0.4309



Tritanopia

40.8274, 0.3548, 0.3143

Trichromacy



Original Color

40.8150, 0.4284, 0.4410

Protanomaly

40.8460, 0.4174, 0.4473

Deuteranomaly

40.6006, 0.4361, 0.4339

Tritanomaly

40.6209, 0.3851, 0.3633

Monochromacy



Original Color

40.8150, 0.4284, 0.4410

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.0342, 0.3556, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8150, 0.4284, 0.4410 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(203, 167, 73)` looks like.

```
.text, #text, p{  
    color:rgb(203, 167, 73)  
}
```

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(203, 167, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 167, 73) }
```

Border

The CSS property to change the border of an element to Yxy 40.8150, 0.4284, 0.4410 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(203, 167, 73) }
```

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

```
.border{ border-color:rgb(203, 167, 73) }
```

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

Here you see how a box with a 4 pixel rgb(203, 167, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 167, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 167, 73);  
box-shadow:4px 4px 4px 4px rgb(203, 167,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8150, 0.4284, 0.4410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 167, 73) }
```

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

```
.background{ background-color: rgb(203,  
167, 73) }
```

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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