

Converting Colors

$Y_{xy}(40.3432, 0.4117, 0.4079)$

Have a look what the booklet for
Yxy(40.3432, 0.4117, 0.4079)
contains.

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Color

Yxy(40.4696, 0.4111, 0.4078)

Conversions

Conversions Part 1

Format	Color
Hex	CDA465
RGB	205, 164, 101
RGB Percent	80%, 64%, 40%
CMY	0.1962, 0.3568, 0.6039
CMYK	0.00, 0.20, 0.51, 0.20
HSL	36°, 51%, 60%
HSV	36°, 51%, 80%
XYZ	40.7971, 40.4696, 17.9722
YIQ	169.0770, 44.6590, -10.9010

Conversions

Conversions Part 2

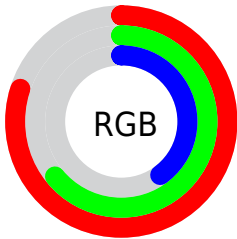
Format	Color
RYB	169, 205, 101
Decimal	13476965
CIELab	69.80, 7.33, 38.23
CIELCh	70, 38.922, 79.149
Yxy	40.4696, 0.4111, 0.4078
Android (android.graphics.Color)	4291667045 (0xFFCDA465)
YUV	169.0770, -33.5620, 31.5045
Hunter-Lab	63.6157, 3.1455, 27.7809

Details

The Yxy color **40.4696, 0.4111, 0.4078** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.5090, 0.2284, 0.2324**, and the grayscale version is **39.8692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2229, 0.3863, 0.3965**, and **18.1322, 0.4380, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **37.3189, 0.4343, 0.4208**, and if you desaturate by 10%, it is **43.9080, 0.3885, 0.3929**.

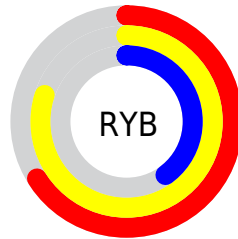
Distribution



Red (80%)

Green (64%)

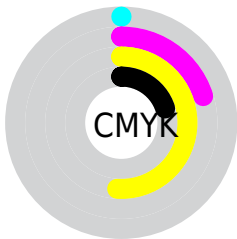
Blue (40%)



Red (66%)

Yellow (80%)

Blue (40%)

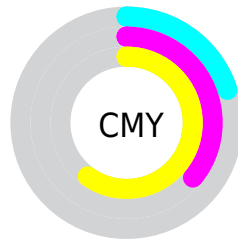


Cyan (0%)

Magenta (20%)

Yellow (51%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4696, 0.4111, 0.4078 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 40.4696, 0.4111, 0.4078 by changing the saturation by 10% instead.


 40.4696, 0.4111,
0.4078

 40.4696, 0.4111,
0.4078


348.0989, 0.3617,
0.3697

 27.9049, 0.4230,
0.4164


 75.8781, 0.3933,
0.3945

 18.2540, 0.4378,
0.4267


 99.4906, 0.3866,
0.3893

 11.1325, 0.4565,
0.4389


 127.5545, 0.3809,
0.3849

 6.1560, 0.4798,
0.4525

 160.4543, 0.3759,
0.3810

 2.9402, 0.5221,
0.4779

198.5742, 0.3717,
0.3777

 1.1006, 0.5351,
0.4649

242.2986, 0.3679,

 0.0000, 1.0000,

0.3747

0.0000

292.0121, 0.3646,
0.3720

0.0000, 0.0000,
0.0000

40.4696, 0.4111,
0.4078

40.4696, 0.4111,
0.4078

37.3189, 0.4343,
0.4208

43.9080, 0.3885,
0.3929

34.4390, 0.4570,
0.4305

47.6383, 0.3672,
0.3769

31.8198, 0.4781,
0.4360

51.6719, 0.3476,
0.3608

29.4473, 0.4964,
0.4364

56.0176, 0.3297,
0.3451

27.4473, 0.5108,
0.4326

60.6839, 0.3138,
0.3301

■ 65.6788, 0.2996,
0.3160

■ 71.0099, 0.2871,
0.3029

■ 76.0248, 0.2815,
0.3009

■ 80.5886, 0.2821,
0.3096

Harmonies

Analogous

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



40.4696, 0.4267, 0.3676



40.4696, 0.4111, 0.4078



40.4696, 0.3691, 0.4315

Triad

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



40.4696, 0.4111, 0.4078



40.4696, 0.2247, 0.3236



40.4696, 0.3028, 0.2532

Complementary

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



40.4696, 0.4111, 0.4078



26.5090, 0.2284, 0.2324

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.



40.4696, 0.2523, 0.2397



40.4696, 0.4111, 0.4078



40.4696, 0.2106, 0.2744

Square

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



40.4696, 0.4111, 0.4078



40.4696, 0.2615, 0.3817



40.4696, 0.2202, 0.2460



40.4696, 0.3611, 0.2828

Rectangle

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



40.4696, 0.4111, 0.4078



40.4696, 0.3330, 0.4306



40.4696, 0.2202, 0.2460



40.4696, 0.2844, 0.2467

Sweetspot

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



40.4715, 0.4111, 0.4078



88.5359, 0.3375, 0.3520



24.2541, 0.3963, 0.2766



18.6262, 0.3413, 0.3554



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.



40.4715, 0.4111, 0.4078



60.6269, 0.4367, 0.4220



56.1392, 0.3774, 0.4549



12.3259, 0.3275, 0.3430



17.2805, 0.5091, 0.4340



1.0368, 0.4871, 0.4515

Inverse Universe

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



26.5090, 0.2284, 0.2324



35.2948, 0.2105, 0.2067



17.1191, 0.2244, 0.1724



11.5570, 0.2983, 0.3146



6.5594, 0.1683, 0.1259



0.4852, 0.1793, 0.1655

Previews

White Background



This preview shows how the Yxy color 40.4696, 0.4111, 0.4078 looks on a white background.

Color Contrast Check

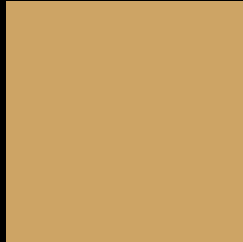
Large Text (above 18pt) WCAG AA × Fail

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 40.4696, 0.4111, 0.4078 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 40.4696, 0.4111, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 40.4696, 0.4111, 0.4078.



This preview shows how white text looks on a background with the Yxy color 40.4696, 0.4111, 0.4078.

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

40.4696, 0.4111, 0.4078

Protanopia

40.6901, 0.3863, 0.4186

Deuteranopia

40.3994, 0.4138, 0.4060



Tritanopia

40.4530, 0.3560, 0.3143

Trichromacy



Original Color

40.4696, 0.4111, 0.4078

Protanomaly

40.4539, 0.3959, 0.4138

Deuteranomaly

40.2558, 0.4128, 0.4063

Tritanomaly

40.3652, 0.3771, 0.3481

Monochromacy



Original Color

40.4696, 0.4111, 0.4078

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.5961, 0.3475, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4696, 0.4111, 0.4078 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(205, 164, 101)` looks like.

```
.text, #text, p{  
    color:rgb(205, 164, 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(205, 164, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 164, 101) }
```

Border

The CSS property to change the border of an element to Yxy 40.4696, 0.4111, 0.4078 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(205, 164, 101) }
```

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

```
.border{ border-color:rgb(205, 164, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 164, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 164, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 164, 101);  
box-shadow:4px 4px 4px 4px rgb(205, 164,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4696, 0.4111, 0.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 164, 101) }
```

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

```
.background{ background-color: rgb(205,  
164, 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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