

# Converting Colors

$Y_{xy}(41.2933, 0.4071, 0.4099)$

Have a look what the booklet for  
Yxy(41.2933, 0.4071, 0.4099)  
contains.

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# Color

**Yxy(41.4341, 0.4073, 0.4104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCA766
RGB	204, 167, 102
RGB Percent	80%, 65%, 40%
CMY	0.2000, 0.3451, 0.5999
CMYK	0.00, 0.18, 0.50, 0.20
HSL	38°, 50%, 60%
HSV	38°, 50%, 80%
XYZ	41.1211, 41.4341, 18.4051
YIQ	170.6530, 42.9170, -12.3710

# Conversions

## Conversions Part 2

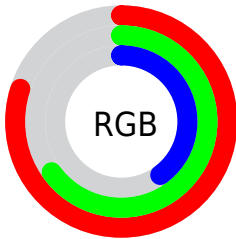
Format	Color
<b>R<sub>YB</sub></b>	160, 204, 102
Decimal	13412198
CIE Lab	70.48, 5.41, 38.52
CIE LCh	70, 38.896, 82.007
Yxy	41.4341, 0.4073, 0.4104
Android (android.graphics.Color)	4291602278 (0xFFCCA766)
YUV	170.6530, -33.8459, 29.2453
Hunter-Lab	64.3693, 1.3850, 28.1058

# Details

The Yxy color **41.4341, 0.4073, 0.4104** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.6584, 0.2287, 0.2291**, and the grayscale version is **40.7004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8356, 0.3845, 0.3983**, and **18.7216, 0.4321, 0.4302** is the 20% darker color. If you saturate the color by 10%, you get **38.4447, 0.4293, 0.4242**, and if you desaturate by 10%, it is **44.6824, 0.3856, 0.3947**.

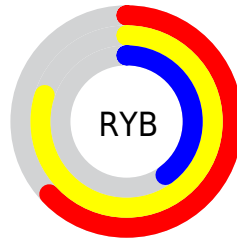
# Distribution



Red (80%)

Green (65%)

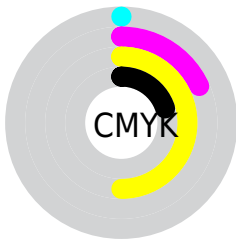
Blue (40%)



Red (63%)

Yellow (80%)

Blue (40%)

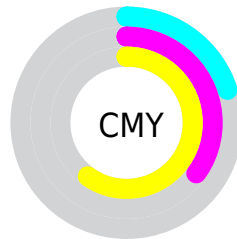


Cyan (0%)

Magenta (18%)

Yellow (50%)

Black (20%)



Cyan (20%)

Magenta (35%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4341, 0.4073, 0.4104 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 41.4341, 0.4073, 0.4104 by changing the saturation by 10% instead.





 41.4341, 0.4073,  
0.4104


 41.4341, 0.4073,  
0.4104

352.1317, 0.3601,  
0.3709

 28.6584, 0.4186,  
0.4194


 77.3424, 0.3904,  
0.3966

 18.8226, 0.4326,  
0.4303


 101.2439, 0.3840,  
0.3912

 11.5422, 0.4501,  
0.4433


 129.6228, 0.3785,  
0.3866

 6.4327, 0.4718,  
0.4583

 162.8634, 0.3738,  
0.3826

 3.1100, 0.5127,  
0.4873

201.3502, 0.3697,  
0.3791

 1.1894, 0.5220,  
0.4780

245.4676, 0.3661,

 0.0530, 0.7748,

0.3760

0.2252

295.5999, 0.3629,  
0.3733

0.0000, 0.0000,  
0.0000

41.4341, 0.4073,  
0.4104

41.4341, 0.4073,  
0.4104

38.4447, 0.4293,  
0.4242

44.6824, 0.3856,  
0.3947

35.6981, 0.4508,  
0.4348

48.1927, 0.3650,  
0.3780

33.1853, 0.4707,  
0.4413

51.9757, 0.3459,  
0.3612

30.8934, 0.4878,  
0.4427

56.0393, 0.3284,  
0.3447

28.8010, 0.5020,  
0.4396

60.3912, 0.3127,  
0.3290

■ 28.7995, 0.5020,  
0.4396

■ 65.0386, 0.2987,  
0.3142

■ 69.9884, 0.2862,  
0.3005

■ 74.5710, 0.2807,  
0.2982

■ 78.6894, 0.2813,  
0.3062

# Harmonies

## Analogous

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



41.4341, 0.4256, 0.3715



41.4341, 0.4073, 0.4104



41.4341, 0.3638, 0.4315

# Triad

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



41.4341, 0.4073, 0.4104



41.4341, 0.2230, 0.3184



41.4341, 0.3084, 0.2560

# Complementary

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



41.4341, 0.4073, 0.4104



25.6584, 0.2287, 0.2291

# 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.



41.4341, 0.2569, 0.2409



41.4341, 0.4073, 0.4104



41.4341, 0.2113, 0.2712

# Square

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



41.4341, 0.4073, 0.4104



41.4341, 0.2576, 0.3760



41.4341, 0.2230, 0.2451



41.4341, 0.3660, 0.2867



# Rectangle

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



41.4341, 0.4073, 0.4104



41.4341, 0.3275, 0.4282



41.4341, 0.2230, 0.2451



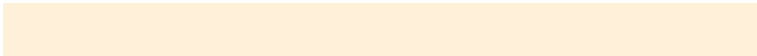
41.4341, 0.2898, 0.2490

# Sweetspot

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



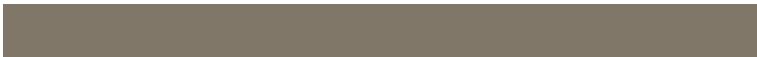
41.4361, 0.4073, 0.4104



89.2391, 0.3373, 0.3532



24.2212, 0.3993, 0.2816



18.7960, 0.3411, 0.3567



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.



41.4361, 0.4073, 0.4104



63.2894, 0.4311, 0.4251



55.1490, 0.3737, 0.4546



12.3854, 0.3274, 0.3437



18.3075, 0.5005, 0.4408



1.0855, 0.4807, 0.4565



# Inverse Universe

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



25.6584, 0.2287, 0.2291



34.3336, 0.2106, 0.2027



17.5533, 0.2288, 0.1761



11.4993, 0.2983, 0.3138



5.9906, 0.1659, 0.1171

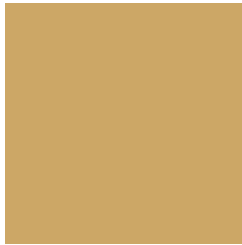


0.4524, 0.1770, 0.1572



# Previews

## White Background



This preview shows how the Yxy color 41.4341, 0.4073, 0.4104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

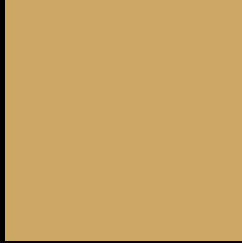
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.4341, 0.4073, 0.4104 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 41.4341, 0.4073, 0.4104**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.4341, 0.4073, 0.4104.



This preview shows how white text looks on a background with the Yxy color 41.4341, 0.4073, 0.4104.

# 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

41.4341, 0.4073, 0.4104

### Protanopia

41.7054, 0.3872, 0.4202

### Deuteranopia

41.5912, 0.4137, 0.4050



## Tritanopia

41.4382, 0.3514, 0.3143

# Trichromacy



## Original Color

41.4341, 0.4073, 0.4104

## Protanomaly

41.5744, 0.3941, 0.4173

## Deuteranomaly

41.6616, 0.4110, 0.4068

## Tritanomaly

41.3259, 0.3730, 0.3494

# Monochromacy



## Original Color

41.4341, 0.4073, 0.4104

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

40.8921, 0.3459, 0.3618

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.4341, 0.4073, 0.4104 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, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 167, 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(204, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 167, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 41.4341, 0.4073, 0.4104 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, 167, 102) }
```

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

```
.border{ border-color:rgb(204, 167, 102) }
```

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

Here you see how a box with a 4 pixel rgb(204, 167, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 167, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 167, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 167,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.4341, 0.4073, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 167, 102) }
```

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

```
.background{ background-color: rgb(204,  
167, 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](#).

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