

Converting Colors

$Y_{xy}(41.1751, 0.3970, 0.3938)$

Have a look what the booklet for
Yxy(41.1751, 0.3970, 0.3938)
contains.

Yxy(41.3476, 0.3966, 0.3938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.3476, 0.3966, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	CCA673
RGB	204, 166, 115
RGB Percent	80%, 65%, 45%
CMY	0.1998, 0.3491, 0.5490
CMYK	0.00, 0.19, 0.44, 0.20
HSL	34°, 47%, 63%
HSV	34°, 44%, 80%
XYZ	41.6416, 41.3476, 22.0073
YIQ	171.5480, 39.0190, -7.8050

Conversions

Conversions Part 2

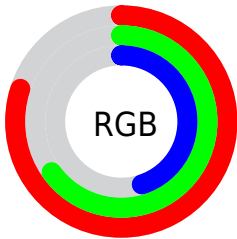
Format	Color
RYB	181, 204, 115
Decimal	13411955
CIELab	70.42, 7.26, 31.63
CIELCh	70, 32.448, 77.076
Yxy	41.3476, 0.3966, 0.3938
Android (android.graphics.Color)	4291602035 (0xFFCCA673)
YUV	171.5480, -27.8782, 28.4604
Hunter-Lab	64.3021, 3.0667, 24.7196

Details

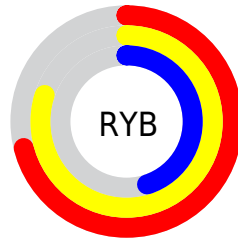
The Yxy color **41.3476, 0.3966, 0.3938** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.8096, 0.2413, 0.2531**, and the grayscale version is **41.1461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8001, 0.3751, 0.3833**, and **18.7239, 0.4205, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **37.8669, 0.4204, 0.4076**, and if you desaturate by 10%, it is **45.1512, 0.3741, 0.3789**.

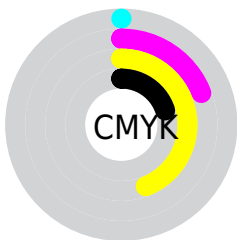
Distribution



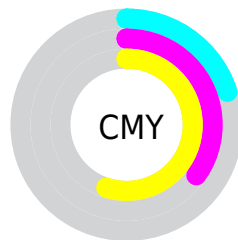
- Red (80%)
- Green (65%)
- Blue (45%)



- Red (71%)
- Yellow (80%)
- Blue (45%)



- Cyan (0%)
- Magenta (19%)
- Yellow (44%)
- Black (20%)




- Cyan (20%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3476, 0.3966, 0.3938 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 41.3476, 0.3966, 0.3938 by changing the saturation by 10% instead.


 41.3476, 0.3966,
0.3938


 41.3476, 0.3966,
0.3938


351.7713, 0.3542,
0.3622

 28.5908, 0.4071,
0.4012


 77.2113, 0.3812,
0.3826

 18.7715, 0.4203,
0.4103


 101.0869, 0.3754,
0.3783

 11.5053, 0.4375,
0.4214


 129.4377, 0.3705,
0.3746

 6.4078, 0.4601,
0.4350

162.6479, 0.3663,
0.3715

 3.0946, 0.5018,
0.4610

201.1020, 0.3626,
0.3687

 1.1813, 0.5336,
0.4664

245.1843, 0.3595,

 0.0464, 0.8267,

0.3662

0.1733

295.2793, 0.3567,
0.3641

0.0000, 0.0000,
0.0000

41.3476, 0.3966,
0.3938

41.3476, 0.3966,
0.3938

37.8669, 0.4204,
0.4076

45.1512, 0.3741,
0.3789

34.6921, 0.4449,
0.4190

49.2822, 0.3535,
0.3635

31.8130, 0.4688,
0.4270


53.7524, 0.3349,
0.3485

29.2161, 0.4908,
0.4303

58.5711, 0.3183,
0.3340


26.8859, 0.5097,
0.4284

63.7471, 0.3036,
0.3205

 25.5273, 0.5204,
0.4250

 69.2890, 0.2906,
0.3078

 75.0207, 0.2808,
0.2991

 79.9139, 0.2814,
0.3086

 85.0522, 0.2820,
0.3179

Harmonies

Analogous

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



41.3476, 0.4069, 0.3602



41.3476, 0.3966, 0.3938



41.3476, 0.3634, 0.4132

Triad

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



41.3476, 0.3966, 0.3938



41.3476, 0.2406, 0.3286



41.3476, 0.3017, 0.2637

Complementary

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



41.3476, 0.3966, 0.3938



30.8096, 0.2413, 0.2531

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.



41.3476, 0.2599, 0.2535



41.3476, 0.3966, 0.3938



41.3476, 0.2268, 0.2867

Square

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



41.3476, 0.3966, 0.3938



41.3476, 0.2732, 0.3751



41.3476, 0.2336, 0.2607



41.3476, 0.3498, 0.2882

Rectangle

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



41.3476, 0.3966, 0.3938



41.3476, 0.3337, 0.4128



41.3476, 0.2336, 0.2607



41.3476, 0.2864, 0.2585

Sweetspot

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



41.3496, 0.3966, 0.3938



89.3367, 0.3341, 0.3478



27.4258, 0.3759, 0.2798



18.7557, 0.3380, 0.3511



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.



41.3496, 0.3966, 0.3938



63.2123, 0.4181, 0.4063



56.4645, 0.3720, 0.4375



12.2622, 0.3276, 0.3423



16.2477, 0.5186, 0.4265



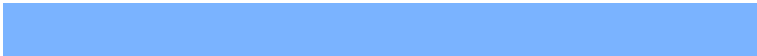
0.9869, 0.4941, 0.4459

Inverse Universe

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



30.8096, 0.2413, 0.2531



43.6568, 0.2264, 0.2338



20.6854, 0.2363, 0.1962



11.6192, 0.2983, 0.3154



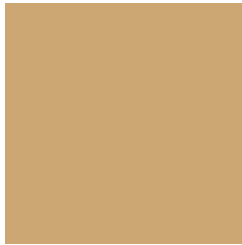
7.2305, 0.1711, 0.1359



0.5225, 0.1818, 0.1745

Previews

White Background



This preview shows how the Yxy color 41.3476, 0.3966, 0.3938 looks on a white background.

Color Contrast Check

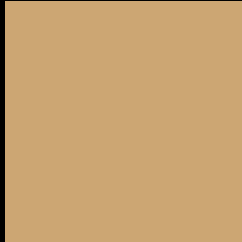
Large Text (above 18pt) WCAG AA × Fail

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 41.3476, 0.3966, 0.3938 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 41.3476, 0.3966, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 41.3476, 0.3966, 0.3938.



This preview shows how white text looks on a background with the Yxy color 41.3476, 0.3966, 0.3938.

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

41.3476, 0.3966, 0.3938

Protanopia

41.3778, 0.3740, 0.4018

Deuteranopia

41.4135, 0.4001, 0.3919



Tritanopia

41.2919, 0.3504, 0.3142

Trichromacy



Original Color

41.3476, 0.3966, 0.3938

Protanomaly

41.3713, 0.3817, 0.3990

Deuteranomaly

41.2699, 0.3991, 0.3921

Tritanomaly

41.3404, 0.3671, 0.3431

Monochromacy



Original Color

41.3476, 0.3966, 0.3938

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.1742, 0.3424, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3476, 0.3966, 0.3938 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, 166, 115)` looks like.

```
.text, #text, p{  
    color:rgb(204, 166, 115)  
}
```

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, 166, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 166, 115) }
```

Border

The CSS property to change the border of an element to Yxy 41.3476, 0.3966, 0.3938 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, 166, 115) }
```

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

```
.border{ border-color:rgb(204, 166, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 166, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 166, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 166, 115); box-shadow:4px 4px 4px 4px rgb(204, 166, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3476, 0.3966, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 166, 115) }
```

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

```
.background{ background-color: rgb(204,  
166, 115) }
```

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