

Converting Colors

$Y_{xy}(41.0026, 0.4075, 0.4139)$

Have a look what the booklet for
Yxy(41.0026, 0.4075, 0.4139)
contains.

Yxy(41.0948, 0.4078, 0.4146)	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(41.0948, 0.4078, 0.4146)

Conversions

Conversions Part 1

Format	Color
Hex	CAA763
RGB	202, 167, 99
RGB Percent	79%, 65%, 39%
CMY	0.2080, 0.3450, 0.6118
CMYK	0.00, 0.17, 0.51, 0.21
HSL	40°, 49%, 59%
HSV	40°, 51%, 79%
XYZ	40.4208, 41.0948, 17.6036
YIQ	169.7130, 42.6880, -13.7280

Conversions

Conversions Part 2

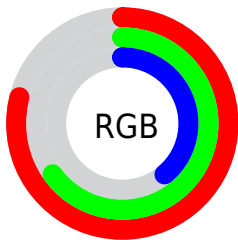
Format	Color
RYB	152, 202, 99
Decimal	13281123
CIELab	70.24, 4.27, 39.74
CIELCh	70, 39.968, 83.868
Yxy	41.0948, 0.4078, 0.4146
Android (android.graphics.Color)	4291471203 (0xFFCAA763)
YUV	169.7130, -34.8615, 28.3157
Hunter-Lab	64.1052, 0.3669, 28.5924

Details

The Yxy color **41.0948, 0.4078, 0.4146** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.9483, 0.2263, 0.2229**, and the grayscale version is **40.2082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7369, 0.3865, 0.4013**, and **18.6027, 0.4337, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **38.3119, 0.4290, 0.4286**, and if you desaturate by 10%, it is **44.1113, 0.3867, 0.3985**.

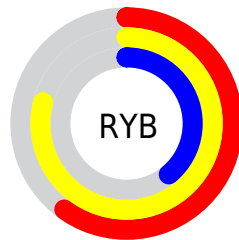
Distribution



Red (79%)

Green (65%)

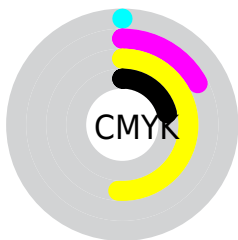
Blue (39%)



Red (60%)

Yellow (79%)

Blue (39%)

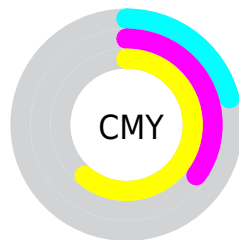


Cyan (0%)

Magenta (17%)

Yellow (51%)

Black (21%)



Cyan (21%)


Magenta (35%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0948, 0.4078, 0.4146 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 41.0948, 0.4078, 0.4146 by changing the saturation by 10% instead.

 41.0948, 0.4078,
0.4146

 41.0948, 0.4078,
0.4146


350.7167, 0.3604,
0.3729


 28.3932, 0.4190,
0.4241


 76.8278, 0.3909,
0.4000


 18.6222, 0.4329,
0.4356


 100.6279, 0.3844,
0.3943

 11.3976, 0.4501,
0.4494


 128.8964, 0.3789,
0.3894

 6.3350, 0.4712,
0.4652

 162.0175, 0.3742,
0.3852

 3.0498, 0.5075,
0.4925

200.3757, 0.3701,
0.3816

 1.1578, 0.5151,
0.4849

244.3553, 0.3665,

 0.0268, 0.8287,

0.3783

0.1713

294.3409, 0.3633,
0.3755

0.0000, 0.0000,
0.0000

41.0948, 0.4078,
0.4146

41.0948, 0.4078,
0.4146

38.3119, 0.4290,
0.4286

44.1113, 0.3867,
0.3985

35.7475, 0.4494,
0.4393

47.3641, 0.3664,
0.3814

33.3929, 0.4679,
0.4458

50.8632, 0.3474,
0.3640

31.2360, 0.4836,
0.4472

54.6160, 0.3300,
0.3469

29.4428, 0.4954,
0.4448

58.6295, 0.3142,
0.3306

■ 62.9105, 0.3000,
0.3152

■ 67.4653, 0.2873,
0.3009

■ 71.9364, 0.2792,
0.2933

■ 75.6487, 0.2797,
0.3008

Harmonies

Analogous

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



41.0948, 0.4288, 0.3752



41.0948, 0.4078, 0.4146



41.0948, 0.3618, 0.4350

Triad

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



41.0948, 0.4078, 0.4146



41.0948, 0.2190, 0.3144



41.0948, 0.3118, 0.2555

Complementary

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



41.0948, 0.4078, 0.4146



23.9483, 0.2263, 0.2229

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.



41.0948, 0.2580, 0.2389



41.0948, 0.4078, 0.4146



41.0948, 0.2086, 0.2671

Square

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



41.0948, 0.4078, 0.4146



41.0948, 0.2531, 0.3739



41.0948, 0.2221, 0.2419



41.0948, 0.3710, 0.2878

Rectangle

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



41.0948, 0.4078, 0.4146



41.0948, 0.3242, 0.4303



41.0948, 0.2221, 0.2419



41.0948, 0.2925, 0.2480

Sweetspot

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



41.0968, 0.4078, 0.4146



89.7721, 0.3372, 0.3540



23.2242, 0.4043, 0.2830



18.9248, 0.3409, 0.3577



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.



41.0968, 0.4078, 0.4146



64.5089, 0.4308, 0.4296



53.6301, 0.3732, 0.4575



12.4304, 0.3274, 0.3443



19.1238, 0.4941, 0.4458



1.1236, 0.4760, 0.4603

Inverse Universe

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



23.9483, 0.2263, 0.2229



32.4327, 0.2079, 0.1954



16.7917, 0.2284, 0.1734



11.4560, 0.2983, 0.3133



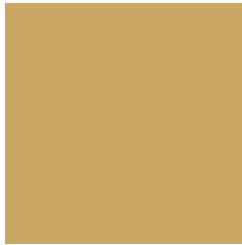
5.5969, 0.1641, 0.1109



0.4289, 0.1753, 0.1511

Previews

White Background



This preview shows how the Yxy color 41.0948, 0.4078, 0.4146 looks on a white background.

Color Contrast Check

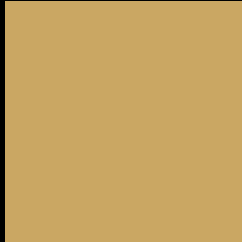
Large Text (above 18pt) WCAG AA × Fail

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 41.0948, 0.4078, 0.4146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

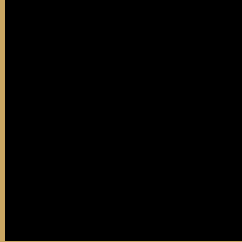
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0948, 0.4078, 0.4146

Background



This preview shows how black text looks on a background with the Yxy color 41.0948, 0.4078, 0.4146.



This preview shows how white text looks on a background with the Yxy color 41.0948, 0.4078, 0.4146.

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

41.0948, 0.4078, 0.4146

Protanopia

41.1360, 0.3892, 0.4231

Deuteranopia

41.0263, 0.4159, 0.4076



Tritanopia

40.9493, 0.3506, 0.3130

Trichromacy



Original Color

41.0948, 0.4078, 0.4146

Protanomaly

41.0070, 0.3961, 0.4201

Deuteranomaly

40.9522, 0.4123, 0.4097

Tritanomaly

40.6559, 0.3723, 0.3495

Monochromacy



Original Color

41.0948, 0.4078, 0.4146

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.3346, 0.3470, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0948, 0.4078, 0.4146 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(202, 167, 99)` looks like.

```
.text, #text, p{  
    color:rgb(202, 167, 99)  
}
```

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(202, 167, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 167, 99) }
```

Border

The CSS property to change the border of an element to Yxy 41.0948, 0.4078, 0.4146 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(202, 167, 99) }
```

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

```
.border{ border-color:rgb(202, 167, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 167, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 167, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 167, 99);  
box-shadow:4px 4px 4px 4px rgb(202, 167,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 41.0948, 0.4078, 0.4146$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 167, 99) }
```

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

```
.background{ background-color: rgb(202,  
167, 99) }
```

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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