

Converting Colors

$Y_{xy}(41.3613, 0.4038, 0.4100)$

Have a look what the booklet for
Yxy(41.3613, 0.4038, 0.4100)
contains.

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Color

Yxy(41.1733, 0.4045, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	CAA767
RGB	202, 167, 103
RGB Percent	79%, 65%, 40%
CMY	0.2077, 0.3451, 0.5960
CMYK	0.00, 0.17, 0.49, 0.21
HSL	39°, 48%, 60%
HSV	39°, 49%, 79%
XYZ	40.6309, 41.1733, 18.6430
YIQ	170.1690, 41.4040, -12.4840

Conversions

Conversions Part 2

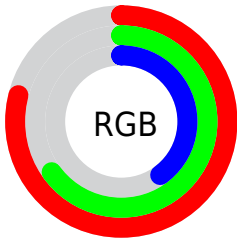
Format	Color
RYB	157, 202, 103
Decimal	13281127
CIELab	70.30, 4.68, 37.73
CIELCh	70, 38.020, 82.924
Yxy	41.1733, 0.4045, 0.4099
Android (android.graphics.Color)	4291471207 (0xFFCAA767)
YUV	170.1690, -33.1143, 27.9158
Hunter-Lab	64.1664, 0.7369, 27.6903

Details

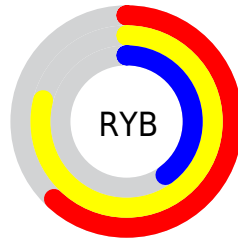
The Yxy color **41.1733, 0.4045, 0.4099** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.3444, 0.2302, 0.2301**, and the grayscale version is **40.4431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8691, 0.3838, 0.3973**, and **18.6388, 0.4298, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **38.2698, 0.4262, 0.4241**, and if you desaturate by 10%, it is **44.3235, 0.3831, 0.3939**.

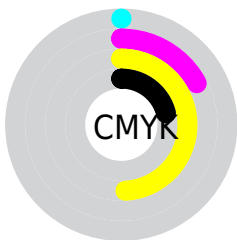
Distribution



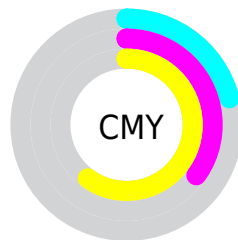
- Red (79%)
- Green (65%)
- Blue (40%)



- Red (62%)
- Yellow (79%)
- Blue (40%)



- Cyan (0%)
- Magenta (17%)
- Yellow (49%)
- Black (21%)





- Cyan (21%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1733, 0.4045, 0.4099 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 41.1733, 0.4045, 0.4099 by changing the saturation by 10% instead.


 41.1733, 0.4045,
0.4099


 41.1733, 0.4045,
0.4099


351.0444, 0.3586,
0.3704

 28.4545, 0.4155,
0.4190


 76.9469, 0.3881,
0.3960


 18.6686, 0.4292,
0.4300


 100.7705, 0.3818,
0.3906

 11.4310, 0.4463,
0.4434


 129.0645, 0.3765,
0.3860

 6.3575, 0.4677,
0.4590

 162.2133, 0.3719,
0.3821

 3.0637, 0.5094,
0.4906

200.6013, 0.3679,
0.3786

 1.1651, 0.5177,
0.4823

244.6129, 0.3644,

 0.0329, 0.8157,

0.3755

0.1843

294.6325, 0.3613,
0.3728

0.0000, 0.0000,
0.0000

41.1733, 0.4045,
0.4099

41.1733, 0.4045,
0.4099

38.2698, 0.4262,
0.4241

44.3235, 0.3831,
0.3939

35.5977, 0.4475,
0.4353

47.7234, 0.3628,
0.3769

33.1485, 0.4671,
0.4424

51.3830, 0.3440,
0.3599

30.9100, 0.4841,
0.4446

55.3099, 0.3268,
0.3433

28.8638, 0.4981,
0.4420

59.5113, 0.3112,
0.3275

■ 28.6688, 0.4994,
0.4416

■ 63.9942, 0.2974,
0.3126

■ 68.7651, 0.2850,
0.2988

■ 73.1933, 0.2794,
0.2958

■ 77.1218, 0.2799,
0.3037

Harmonies

Analogous

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



41.1733, 0.4233, 0.3722



41.1733, 0.4045, 0.4099



41.1733, 0.3614, 0.4295

Triad

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



41.1733, 0.4045, 0.4099



41.1733, 0.2240, 0.3171



41.1733, 0.3102, 0.2580

Complementary

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



41.1733, 0.4045, 0.4099



25.3444, 0.2302, 0.2301

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.



41.1733, 0.2593, 0.2426



41.1733, 0.4045, 0.4099



41.1733, 0.2131, 0.2714

Square

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



41.1733, 0.4045, 0.4099



41.1733, 0.2574, 0.3733



41.1733, 0.2254, 0.2463



41.1733, 0.3665, 0.2886

Rectangle

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



41.1733, 0.4045, 0.4099



41.1733, 0.3257, 0.4255



41.1733, 0.2254, 0.2463



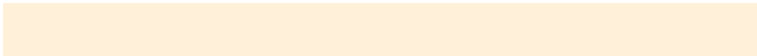
41.1733, 0.2919, 0.2510

Sweetspot

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



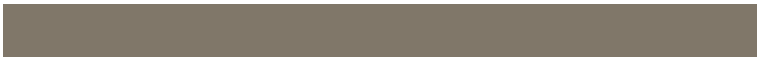
41.1753, 0.4045, 0.4099



89.4425, 0.3372, 0.3535



24.1392, 0.3967, 0.2824



18.8451, 0.3410, 0.3571



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.



41.1753, 0.4045, 0.4099



64.3986, 0.4280, 0.4251



54.0317, 0.3726, 0.4523



12.4026, 0.3274, 0.3439



18.6151, 0.4981, 0.4427



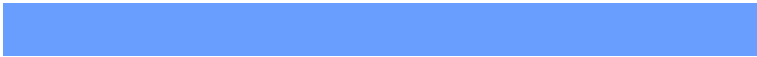
1.0999, 0.4789, 0.4580

Inverse Universe

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



25.3444, 0.2302, 0.2301



34.5787, 0.2119, 0.2034



17.6988, 0.2308, 0.1796



11.4827, 0.2983, 0.3136



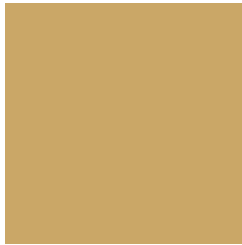
5.8367, 0.1652, 0.1147



0.4433, 0.1764, 0.1549

Previews

White Background



This preview shows how the Yxy color 41.1733, 0.4045, 0.4099 looks on a white background.

Color Contrast Check

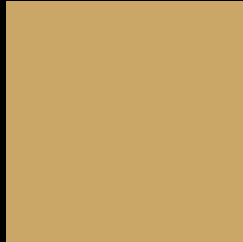
Large Text (above 18pt) WCAG AA × Fail

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 41.1733, 0.4045, 0.4099 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 41.1733, 0.4045, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 41.1733, 0.4045, 0.4099.

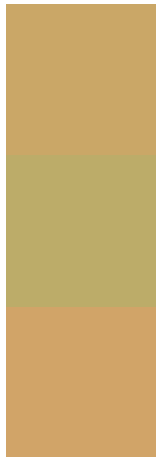


This preview shows how white text looks on a background with the Yxy color 41.1733, 0.4045, 0.4099.

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

41.1733, 0.4045, 0.4099

Protanopia

41.2163, 0.3859, 0.4181

Deuteranopia

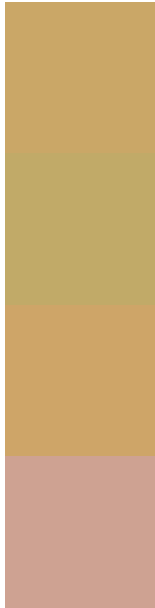
41.1057, 0.4125, 0.4030



Tritanopia

41.1464, 0.3494, 0.3142

Trichromacy



Original Color

41.1733, 0.4045, 0.4099

Protanomaly

41.0864, 0.3929, 0.4153

Deuteranomaly

41.0316, 0.4089, 0.4052

Tritanomaly

41.0378, 0.3710, 0.3495

Monochromacy



Original Color

41.1733, 0.4045, 0.4099

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.3963, 0.3452, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1733, 0.4045, 0.4099 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(202, 167, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 167, 103) }
```

Border

The CSS property to change the border of an element to Yxy 41.1733, 0.4045, 0.4099 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, 103) }
```

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

```
.border{ border-color:rgb(202, 167, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 167, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 167, 103);  
box-shadow:4px 4px 4px 4px rgb(202, 167,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1733, 0.4045, 0.4099 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, 103) }
```

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

```
.background{ background-color: rgb(202,  
167, 103) }
```

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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