

Converting Colors

$Y_{xy}(41.7248, 0.3985, 0.4033)$

Have a look what the booklet for
Yxy(41.7248, 0.3985, 0.4033)
contains.

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Color

Yxy(41.6876, 0.3979, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	CAA86E
RGB	202, 168, 110
RGB Percent	79%, 66%, 43%
CMY	0.2077, 0.3412, 0.5686
CMYK	0.00, 0.17, 0.46, 0.21
HSL	38°, 46%, 61%
HSV	38°, 46%, 79%
XYZ	41.1805, 41.6876, 20.6265
YIQ	171.5540, 38.8820, -10.8300

Conversions

Conversions Part 2

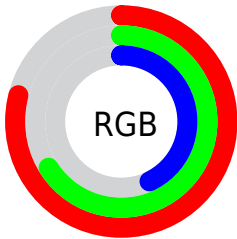
Format	Color
RYB	164, 202, 110
Decimal	13281390
CIELab	70.65, 4.83, 34.54
CIELCh	71, 34.877, 82.037
Yxy	41.6876, 0.3979, 0.4028
Android (android.graphics.Color)	4291471470 (0xFFCAA86E)
YUV	171.5540, -30.3461, 26.7011
Hunter-Lab	64.5659, 0.8578, 26.2552

Details

The Yxy color **41.6876, 0.3979, 0.4028** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.5378, 0.2367, 0.2407**, and the grayscale version is **41.1614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6440, 0.3786, 0.3913**, and **18.9387, 0.4214, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **38.6185, 0.4201, 0.4174**, and if you desaturate by 10%, it is **45.0195, 0.3765, 0.3867**.

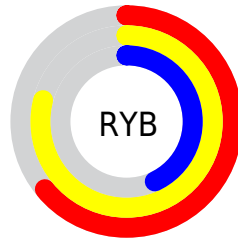
Distribution



Red (79%)

Green (66%)

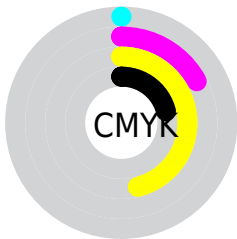
Blue (43%)



Red (64%)

Yellow (79%)

Blue (43%)

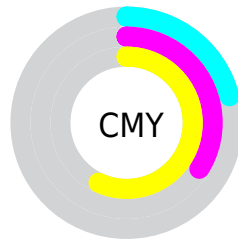


Cyan (0%)

Magenta (17%)

Yellow (46%)

Black (21%)



Cyan (21%)


Magenta (34%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6876, 0.3979, 0.4028 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 41.6876, 0.3979, 0.4028 by changing the saturation by 10% instead.

 41.6876, 0.3979,
0.4028

 41.6876, 0.3979,
0.4028

353.1863, 0.3552,
0.3666


 28.8568, 0.4083,
0.4113


 77.7266, 0.3825,
0.3900


 18.9725, 0.4213,
0.4216


 101.7035, 0.3767,
0.3851

 11.6504, 0.4379,
0.4344


 130.1646, 0.3717,
0.3809

 6.5061, 0.4591,
0.4499

 163.4943, 0.3675,
0.3772

 3.1552, 0.5040,
0.4845

202.0769, 0.3638,
0.3741

 1.2133, 0.5182,
0.4818

246.2968, 0.3605,

 0.0725, 0.7204,

0.3713

0.2796

296.5385, 0.3577,
0.3688

0.0000, 0.0000,
0.0000

41.6876, 0.3979,
0.4028

41.6876, 0.3979,
0.4028

38.6185, 0.4201,
0.4174

45.0195, 0.3765,
0.3867

35.7967, 0.4422,
0.4295

48.6172, 0.3564,
0.3700

33.2138, 0.4632,
0.4378

52.4908, 0.3379,
0.3535

30.8578, 0.4820,
0.4414

56.6482, 0.3212,
0.3375

28.7150, 0.4975,
0.4398

61.0968, 0.3063,
0.3224

■ 27.8204, 0.5039,
0.4381

■ 65.8435, 0.2930,
0.3083

■ 70.8953, 0.2811,
0.2952

■ 75.1411, 0.2797,
0.2998

■ 79.3361, 0.2802,
0.3079

Harmonies

Analogous

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



41.6876, 0.4139, 0.3683



41.6876, 0.3979, 0.4028



41.6876, 0.3591, 0.4205

Triad

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



41.6876, 0.3979, 0.4028



41.6876, 0.2318, 0.3200



41.6876, 0.3091, 0.2628

Complementary

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



41.6876, 0.3979, 0.4028



27.5378, 0.2367, 0.2407

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.



41.6876, 0.2626, 0.2492



41.6876, 0.3979, 0.4028



41.6876, 0.2209, 0.2775

Square

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



41.6876, 0.3979, 0.4028



41.6876, 0.2634, 0.3708



41.6876, 0.2316, 0.2534



41.6876, 0.3606, 0.2909

Rectangle

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



41.6876, 0.3979, 0.4028



41.6876, 0.3265, 0.4170



41.6876, 0.2316, 0.2534



41.6876, 0.2924, 0.2565

Sweetspot

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



41.6896, 0.3979, 0.4028



89.7735, 0.3356, 0.3513



25.7651, 0.3860, 0.2836



18.8966, 0.3394, 0.3548



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.



41.6896, 0.3979, 0.4028



65.2651, 0.4205, 0.4177



54.4964, 0.3703, 0.4435



12.3720, 0.3275, 0.3436



18.0712, 0.5024, 0.4393



1.0744, 0.4821, 0.4554

Inverse Universe

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



27.5378, 0.2367, 0.2407



38.3465, 0.2192, 0.2165



19.4627, 0.2363, 0.1909



11.5123, 0.2983, 0.3140



6.1138, 0.1664, 0.1191



0.4596, 0.1775, 0.1591

Previews

White Background



This preview shows how the Yxy color 41.6876, 0.3979, 0.4028 looks on a white background.

Color Contrast Check

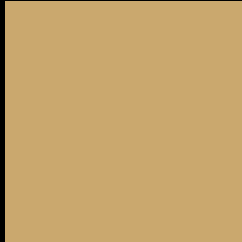
Large Text (above 18pt) WCAG AA × Fail

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 41.6876, 0.3979, 0.4028 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 41.6876, 0.3979, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 41.6876, 0.3979, 0.4028.



This preview shows how white text looks on a background with the Yxy color 41.6876, 0.3979, 0.4028.

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

41.6876, 0.3979, 0.4028

Protanopia

41.7484, 0.3796, 0.4105

Deuteranopia

41.6133, 0.4057, 0.3961



Tritanopia

41.5686, 0.3473, 0.3130

Trichromacy



Original Color

41.6876, 0.3979, 0.4028

Protanomaly

41.6110, 0.3864, 0.4078

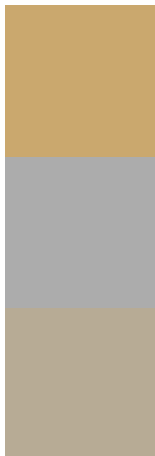
Deuteranomaly

41.5419, 0.4021, 0.3981

Tritanomaly

41.5182, 0.3668, 0.3456

Monochromacy



Original Color

41.6876, 0.3979, 0.4028

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.3630, 0.3430, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6876, 0.3979, 0.4028 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, 168, 110)` looks like.

```
.text, #text, p{  
    color:rgb(202, 168, 110)  
}
```

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, 168, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 168, 110) }
```

Border

The CSS property to change the border of an element to Yxy 41.6876, 0.3979, 0.4028 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, 168, 110) }
```

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

```
.border{ border-color:rgb(202, 168, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 168, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 168, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 168, 110);  
box-shadow:4px 4px 4px 4px rgb(202, 168,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6876, 0.3979, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 168, 110) }
```

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

```
.background{ background-color: rgb(202,  
168, 110) }
```

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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