

Converting Colors

$Y_{xy}(41.6900, 0.3905, 0.3891)$

Have a look what the booklet for
Yxy(41.6900, 0.3905, 0.3891)
contains.

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Color

Yxy(41.6900, 0.3905, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	CBA778
RGB	203, 167, 120
RGB Percent	80%, 65%, 47%
CMY	0.2039, 0.3451, 0.5294
CMYK	0.00, 0.18, 0.41, 0.20
HSL	34°, 44%, 63%
HSV	34°, 41%, 80%
XYZ	41.8400, 41.6900, 23.6147
YIQ	172.4060, 36.5430, -6.9850

Conversions

Conversions Part 2

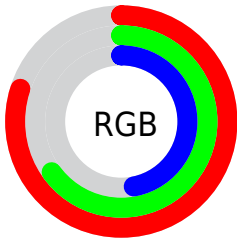
Format	Color
RYB	184, 203, 120
Decimal	13346680
CIELab	70.66, 6.83, 29.25
CIELCh	71, 30.033, 76.848
Yxy	41.6900, 0.3905, 0.3891
Android (android.graphics.Color)	4291536760 (0xFFCBA778)
YUV	172.4060, -25.8362, 26.8309
Hunter-Lab	64.5678, 2.6746, 23.5130

Details

The Yxy color **41.6900, 0.3905, 0.3891** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.0905, 0.2461, 0.2596**, and the grayscale version is **41.5929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5197, 0.3712, 0.3792**, and **18.9194, 0.4123, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **38.1320, 0.4142, 0.4031**, and if you desaturate by 10%, it is **45.5762, 0.3684, 0.3741**.

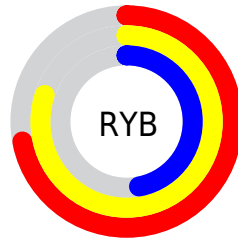
Distribution



Red (80%)

Green (65%)

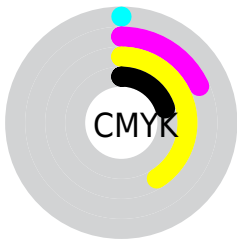
Blue (47%)



Red (72%)

Yellow (80%)

Blue (47%)

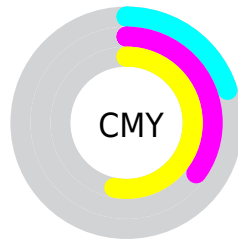


Cyan (0%)

Magenta (18%)

Yellow (41%)

Black (20%)



Cyan (20%)


Magenta (35%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6900, 0.3905, 0.3891 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 41.6900, 0.3905, 0.3891 by changing the saturation by 10% instead.


 41.6900, 0.3905,
0.3891


 41.6900, 0.3905,
0.3891


353.1963, 0.3511,
0.3596

 28.8586, 0.4003,
0.3961


 77.7302, 0.3762,
0.3786

 18.9739, 0.4127,
0.4047


 101.7079, 0.3708,
0.3746

 11.6514, 0.4290,
0.4155


 130.1698, 0.3662,
0.3712

 6.5068, 0.4507,
0.4289

163.5003, 0.3623,
0.3682

 3.1556, 0.4861,
0.4504

202.0838, 0.3590,
0.3657

 1.2135, 0.5306,
0.4694

246.3047, 0.3560,

 0.0727, 0.7644,

0.3634

0.2356

296.5474, 0.3534,
0.3614

0.0000, 0.0000,
0.0000

41.6900, 0.3905,
0.3891

41.6900, 0.3905,
0.3891

38.1320, 0.4142,
0.4031

45.5762, 0.3684,
0.3741

34.8854, 0.4388,
0.4152

49.7951, 0.3482,
0.3590

31.9402, 0.4633,
0.4241

54.3583, 0.3301,
0.3443

29.2832, 0.4863,
0.4287

59.2751, 0.3140,
0.3302

26.8997, 0.5065,
0.4281

64.5542, 0.2998,
0.3170

■ 24.9438, 0.5222,
0.4236

■ 70.2041, 0.2874,
0.3048

■ 75.7658, 0.2803,
0.3008

■ 80.7547, 0.2809,
0.3104

■ 85.9942, 0.2816,
0.3198

Harmonies

Analogous

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



41.6900, 0.3996, 0.3581



41.6900, 0.3905, 0.3891



41.6900, 0.3601, 0.4067

Triad

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



41.6900, 0.3905, 0.3891



41.6900, 0.2461, 0.3292



41.6900, 0.3023, 0.2681

Complementary

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



41.6900, 0.3905, 0.3891



32.0905, 0.2461, 0.2596

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.



41.6900, 0.2636, 0.2588



41.6900, 0.3905, 0.3891



41.6900, 0.2329, 0.2904

Square

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



41.6900, 0.3905, 0.3891



41.6900, 0.2766, 0.3717



41.6900, 0.2391, 0.2659



41.6900, 0.3467, 0.2910

Rectangle

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



41.6900, 0.3905, 0.3891



41.6900, 0.3327, 0.4060



41.6900, 0.2391, 0.2659



41.6900, 0.2882, 0.2633

Sweetspot

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



41.6920, 0.3905, 0.3891



90.0036, 0.3323, 0.3461



28.5806, 0.3686, 0.2812



19.0429, 0.3346, 0.3480



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.



41.6920, 0.3905, 0.3891



64.5481, 0.4112, 0.4015



56.1958, 0.3697, 0.4305



12.2500, 0.3276, 0.3421



16.0566, 0.5204, 0.4250



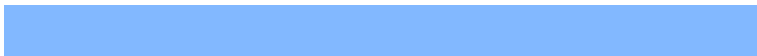
0.9776, 0.4955, 0.4448

Inverse Universe

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



32.0905, 0.2461, 0.2596



46.3592, 0.2315, 0.2414



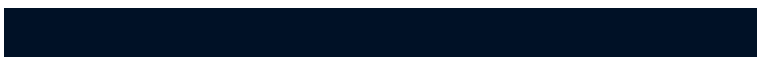
22.0456, 0.2408, 0.2055



11.6313, 0.2983, 0.3155



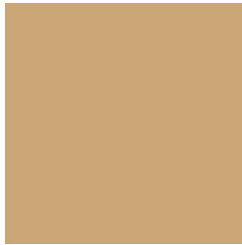
7.3674, 0.1716, 0.1379



0.5300, 0.1823, 0.1763

Previews

White Background



This preview shows how the Yxy color 41.6900, 0.3905, 0.3891 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 41.6900, 0.3905, 0.3891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

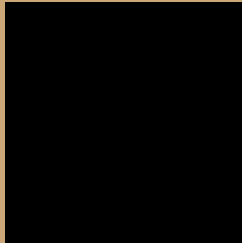
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6900, 0.3905, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 41.6900, 0.3905, 0.3891.



This preview shows how white text looks on a background with the Yxy color 41.6900, 0.3905, 0.3891.

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

41.6900, 0.3905, 0.3891

Protanopia

41.8820, 0.3692, 0.3964

Deuteranopia

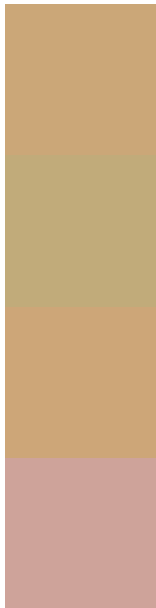
41.7503, 0.3940, 0.3872



Tritanopia

41.5686, 0.3473, 0.3130

Trichromacy



Original Color

41.6900, 0.3905, 0.3891

Protanomaly

41.8684, 0.3769, 0.3938

Deuteranomaly

41.6076, 0.3930, 0.3875

Tritanomaly

41.6493, 0.3629, 0.3405

Monochromacy



Original Color

41.6900, 0.3905, 0.3891

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.1166, 0.3396, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6900, 0.3905, 0.3891 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(203, 167, 120)` looks like.

```
.text, #text, p{  
    color:rgb(203, 167, 120)  
}
```

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(203, 167, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 167, 120) }
```

Border

The CSS property to change the border of an element to Yxy 41.6900, 0.3905, 0.3891 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(203, 167, 120) }
```

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

```
.border{ border-color:rgb(203, 167, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 167, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 167, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 167, 120);  
box-shadow:4px 4px 4px 4px rgb(203, 167,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6900, 0.3905, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 167, 120) }
```

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

```
.background{ background-color: rgb(203,  
167, 120) }
```

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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