

Converting Colors

$Yxy(49.5672, 0.3717, 0.3973)$

Have a look what the booklet for
Yxy(49.5672, 0.3717, 0.3973)
contains.

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Color

Yxy(49.4803, 0.3715, 0.3966)

Conversions

Conversions Part 1

Format	Color
Hex	CBBA84
RGB	203, 186, 132
RGB Percent	80%, 73%, 52%
CMY	0.2040, 0.2705, 0.4824
CMYK	0.00, 0.08, 0.35, 0.20
HSL	46°, 41%, 66%
HSV	46°, 35%, 80%
XYZ	46.3488, 49.4803, 28.9321
YIQ	184.9270, 27.4660, -13.1900

Conversions

Conversions Part 2

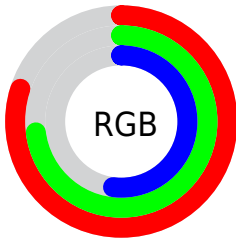
Format	Color
RYB	154, 203, 132
Decimal	13351556
CIELab	75.75, -1.92, 29.61
CIELCh	76, 29.671, 93.705
Yxy	49.4803, 0.3715, 0.3966
Android (android.graphics.Color)	4291541636 (0xFFCBBA84)
YUV	184.9270, -26.0930, 15.8500
Hunter-Lab	70.3422, -5.4845, 24.8533

Details

The Yxy color **49.4803, 0.3715, 0.3966** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.6985, 0.2533, 0.2506**, and the grayscale version is **48.6092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3094, 0.3569, 0.3850**, and **23.6802, 0.3868, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **46.9694, 0.3900, 0.4155**, and if you desaturate by 10%, it is **52.1733, 0.3534, 0.3769**.

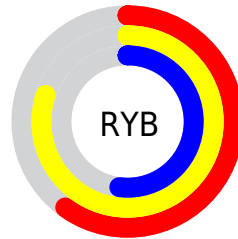
Distribution



Red (80%)

Green (73%)

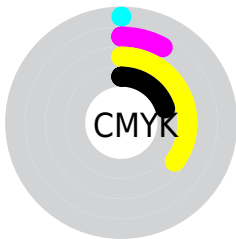
Blue (52%)



Red (60%)

Yellow (80%)

Blue (52%)

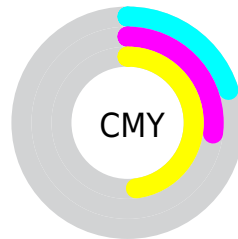


Cyan (0%)

Magenta (8%)

Yellow (35%)

Black (20%)



Cyan (20%)


Magenta (27%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4803, 0.3715, 0.3966 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 49.4803, 0.3715, 0.3966 by changing the saturation by 10% instead.

 49.4803, 0.3715,
0.3966

 49.4803, 0.3715,
0.3966


384.6301, 0.3429,
0.3634


 35.0006, 0.3783,
0.4046


 89.4044, 0.3613,
0.3847

 23.6634, 0.3868,
0.4146


 115.6176, 0.3574,
0.3802

 15.0841, 0.3975,
0.4274


 146.5108, 0.3541,
0.3764

 8.8784, 0.4115,
0.4443

182.4683, 0.3512,
0.3730

 4.6620, 0.4296,
0.4667

223.8747, 0.3487,
0.3702

 2.0503, 0.4767,
0.5233

271.1141, 0.3465,

 0.6365, 0.4672,

0.3676

0.5328

324.5711, 0.3446,
0.3654

0.0000, 0.0000,
0.0000

49.4803, 0.3715,
0.3966

49.4803, 0.3715,
0.3966

46.9694, 0.3900,
0.4155

52.1733, 0.3534,
0.3769

44.6268, 0.4084,
0.4328

55.0481, 0.3362,
0.3573

42.4472, 0.4259,
0.4473


58.1130, 0.3202,
0.3382


40.4221, 0.4415,
0.4581


61.3736, 0.3055,
0.3200

38.5416, 0.4547,
0.4644

64.8354, 0.2921,
0.3029

 36.7941, 0.4650,
0.4659

 68.5035, 0.2800,
0.2871

 35.9559, 0.4694,
0.4655

 71.0925, 0.2797,
0.2913

 73.6769, 0.2800,
0.2966

 76.3360, 0.2804,
0.3019

Harmonies

Analogous

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



49.4803, 0.3919, 0.3738



49.4803, 0.3715, 0.3966



49.4803, 0.3358, 0.4014

Triad

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



49.4803, 0.3715, 0.3966



49.4803, 0.2411, 0.3078



49.4803, 0.3265, 0.2826

Complementary

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



49.4803, 0.3715, 0.3966



30.6985, 0.2533, 0.2506

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.



49.4803, 0.2860, 0.2662



49.4803, 0.3715, 0.3966



49.4803, 0.2389, 0.2782

Square

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



49.4803, 0.3715, 0.3966



49.4803, 0.2612, 0.3470



49.4803, 0.2547, 0.2641



49.4803, 0.3654, 0.3096

Rectangle

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



49.4803, 0.3715, 0.3966



49.4803, 0.3087, 0.3917



49.4803, 0.2547, 0.2641



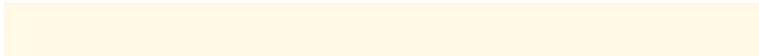
49.4803, 0.3125, 0.2757

Sweetspot

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



49.4826, 0.3715, 0.3966



94.6366, 0.3283, 0.3479



31.3870, 0.3741, 0.3061



20.1005, 0.3306, 0.3507



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.



49.4826, 0.3715, 0.3966



79.6514, 0.3855, 0.4111



54.7148, 0.3499, 0.4200



12.6244, 0.3271, 0.3465



23.0325, 0.4685, 0.4662



1.3007, 0.4570, 0.4753

Inverse Universe

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



30.6985, 0.2533, 0.2506



43.5885, 0.2390, 0.2300



27.2691, 0.2654, 0.2293



11.2723, 0.2983, 0.3108



4.2367, 0.1578, 0.0879



0.3401, 0.1685, 0.1264

Previews

White Background



This preview shows how the Yxy color 49.4803, 0.3715, 0.3966 looks on a white background.

Color Contrast Check

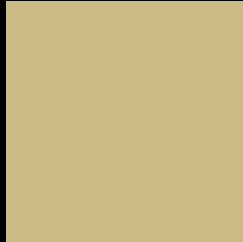
Large Text (above 18pt) WCAG AA × Fail

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 49.4803, 0.3715, 0.3966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

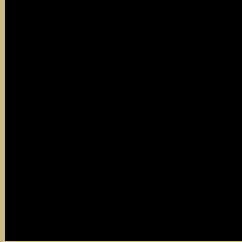
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4803, 0.3715, 0.3966

Background



This preview shows how black text looks on a background with the Yxy color 49.4803, 0.3715, 0.3966.



This preview shows how white text looks on a background with the Yxy color 49.4803, 0.3715, 0.3966.

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

49.4803, 0.3715, 0.3966

Protanopia

49.6241, 0.3693, 0.3982

Deuteranopia

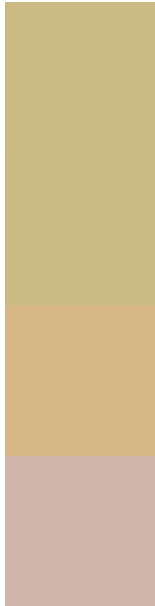
49.4632, 0.3912, 0.3834



Tritanopia

49.3482, 0.3292, 0.3123

Trichromacy



Original Color

49.4803, 0.3715, 0.3966

Protanomaly

49.7631, 0.3702, 0.3979

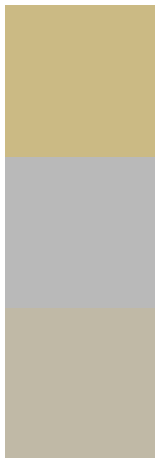
Deuteranomaly

49.5964, 0.3834, 0.3882

Tritanomaly

49.2154, 0.3447, 0.3426

Monochromacy



Original Color

49.4803, 0.3715, 0.3966

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6576, 0.3339, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4803, 0.3715, 0.3966 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, 186, 132)` looks like.

```
.text, #text, p{  
    color:rgb(203, 186, 132)  
}
```

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, 186, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 186, 132) }
```

Border

The CSS property to change the border of an element to Yxy 49.4803, 0.3715, 0.3966 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, 186, 132) }
```

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

```
.border{ border-color:rgb(203, 186, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 186, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 186, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 186, 132);  
box-shadow:4px 4px 4px 4px rgb(203, 186,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4803, 0.3715, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 186, 132) }
```

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

```
.background{ background-color: rgb(203,  
186, 132) }
```

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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