

Converting Colors

$Yxy(48.9864, 0.3635, 0.3816)$

Have a look what the booklet for
Yxy(48.9864, 0.3635, 0.3816)
contains.

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Color

Yxy(48.9305, 0.3640, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	CBB88E
RGB	203, 184, 142
RGB Percent	80%, 72%, 56%
CMY	0.2040, 0.2784, 0.4431
CMYK	0.00, 0.09, 0.30, 0.20
HSL	41°, 37%, 68%
HSV	41°, 30%, 80%
XYZ	46.6493, 48.9305, 32.5776
YIQ	184.8930, 24.8060, -9.0340

Conversions

Conversions Part 2

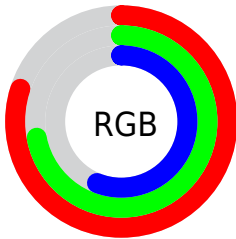
Format	Color
R_{YB}	170, 203, 142
Decimal	13351054
CIE _{Lab}	75.41, 0.40, 23.83
CIE _{LCh}	75, 23.836, 89.035
Yxy	48.9305, 0.3640, 0.3818
Android (android.graphics.Color)	4291541134 (0xFFCBB88E)
YUV	184.8930, -21.1462, 15.8798
Hunter-Lab	69.9503, -3.3729, 21.3524

Details

The Yxy color **48.9305, 0.3640, 0.3818** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.5459, 0.2632, 0.2698**, and the grayscale version is **48.5631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5657, 0.3509, 0.3731**, and **23.2838, 0.3783, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **45.8110, 0.3837, 0.3996**, and if you desaturate by 10%, it is **52.2827, 0.3455, 0.3637**.

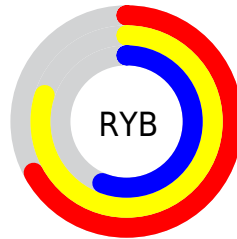
Distribution



Red (80%)

Green (72%)

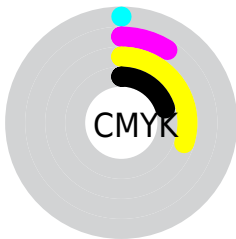
Blue (56%)



Red (67%)

Yellow (80%)

Blue (56%)

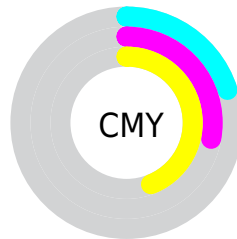


Cyan (0%)

Magenta (9%)

Yellow (30%)

Black (20%)



Cyan (20%)


Magenta (28%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9305, 0.3640, 0.3818 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 48.9305, 0.3640, 0.3818 by changing the saturation by 10% instead.


 48.9305, 0.3640,
0.3818


 48.9305, 0.3640,
0.3818


382.4686, 0.3387,
0.3558

 34.5644, 0.3701,
0.3881


 88.5882, 0.3549,
0.3725

 23.3275, 0.3779,
0.3960

 114.6486, 0.3515,
0.3690

 14.8355, 0.3879,
0.4063


145.3758, 0.3486,
0.3660

 8.7040, 0.4013,
0.4200

181.1543, 0.3460,
0.3634

 4.5486, 0.4199,
0.4388

222.3684, 0.3439,
0.3611

 1.9850, 0.4666,
0.4866

269.4026, 0.3419,

 0.5987, 0.4916,

0.3591

0.5084

322.6412, 0.3402,
0.3574

0.0000, 0.0000,
0.0000

48.9305, 0.3640,
0.3818

48.9305, 0.3640,
0.3818

45.8110, 0.3837,
0.3996

52.2827, 0.3455,
0.3637

42.9100, 0.4040,
0.4164

55.8680, 0.3284,
0.3460

40.2215, 0.4243,
0.4312

59.6953, 0.3128,
0.3291

37.7367, 0.4437,
0.4428

63.7708, 0.2987,
0.3131

35.4456, 0.4612,
0.4502

68.1007, 0.2861,
0.2983

■ 33.3365, 0.4759,
0.4527

■ 72.1110, 0.2798,
0.2934

■ 31.3973, 0.4879,
0.4508

■ 75.5282, 0.2803,
0.3003

■ 79.0725, 0.2807,
0.3072

■ 82.7452, 0.2812,
0.3140

Harmonies

Analogous

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



48.9305, 0.3776, 0.3623



48.9305, 0.3640, 0.3818



48.9305, 0.3368, 0.3875

Triad

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



48.9305, 0.3640, 0.3818



48.9305, 0.2560, 0.3170



48.9305, 0.3188, 0.2882

Complementary

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



48.9305, 0.3640, 0.3818



35.5459, 0.2632, 0.2698

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.



48.9305, 0.2866, 0.2765



48.9305, 0.3640, 0.3818



48.9305, 0.2517, 0.2912

Square

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



48.9305, 0.3640, 0.3818



48.9305, 0.2748, 0.3486



48.9305, 0.2626, 0.2771



48.9305, 0.3509, 0.3095

Rectangle

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



48.9305, 0.3640, 0.3818



48.9305, 0.3150, 0.3814



48.9305, 0.2626, 0.2771



48.9305, 0.3076, 0.2831

Sweetspot

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



48.9327, 0.3640, 0.3818



94.1364, 0.3269, 0.3444



34.6262, 0.3582, 0.3043



19.9530, 0.3293, 0.3470



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.



48.9327, 0.3640, 0.3818



78.5388, 0.3765, 0.3934



55.8409, 0.3483, 0.4058



12.4847, 0.3273, 0.3449



20.1522, 0.4867, 0.4518



1.1711, 0.4705, 0.4647

Inverse Universe

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



35.5459, 0.2632, 0.2698



52.6257, 0.2516, 0.2547



30.4484, 0.2697, 0.2442



11.4041, 0.2983, 0.3126



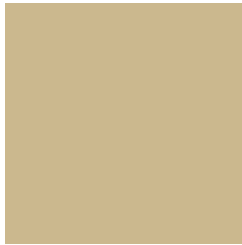
5.1630, 0.1622, 0.1038



0.4022, 0.1733, 0.1440

Previews

White Background



This preview shows how the Yxy color 48.9305, 0.3640, 0.3818 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 48.9305, 0.3640, 0.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

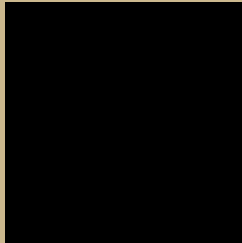
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9305, 0.3640, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 48.9305, 0.3640, 0.3818.



This preview shows how white text looks on a background with the Yxy color 48.9305, 0.3640, 0.3818.

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

48.9305, 0.3640, 0.3818

Protanopia

49.1067, 0.3580, 0.3838

Deuteranopia

48.7294, 0.3793, 0.3712



Tritanopia

48.7612, 0.3293, 0.3122

Trichromacy



Original Color

48.9305, 0.3640, 0.3818

Protanomaly

48.9605, 0.3601, 0.3822

Deuteranomaly

48.7718, 0.3738, 0.3742

Tritanomaly

48.9250, 0.3423, 0.3377

Monochromacy



Original Color

48.9305, 0.3640, 0.3818

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.7690, 0.3315, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9305, 0.3640, 0.3818 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, 184, 142)` looks like.

```
.text, #text, p{  
    color:rgb(203, 184, 142)  
}
```

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, 184, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 184, 142) }
```

Border

The CSS property to change the border of an element to Yxy 48.9305, 0.3640, 0.3818 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, 184, 142) }
```

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

```
.border{ border-color:rgb(203, 184, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 184, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 184, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 184, 142);  
box-shadow:4px 4px 4px 4px rgb(203, 184,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9305, 0.3640, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 184, 142) }
```

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

```
.background{ background-color: rgb(203,  
184, 142) }
```

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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