

Converting Colors

$Y_{xy}(45.6460, 0.3673, 0.3704)$

Have a look what the booklet for
Yxy(45.6460, 0.3673, 0.3704)
contains.

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Color

Yxy(45.4805, 0.3672, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	CCAF8F
RGB	204, 175, 143
RGB Percent	80%, 69%, 56%
CMY	0.2001, 0.3137, 0.4392
CMYK	0.00, 0.14, 0.30, 0.20
HSL	31°, 37%, 68%
HSV	31°, 30%, 80%
XYZ	45.1852, 45.4805, 32.3876
YIQ	180.0230, 27.5560, -3.8040

Conversions

Conversions Part 2

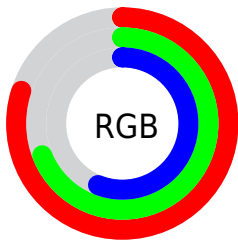
Format	Color
R_{YB}	198, 204, 143
Decimal	13414287
CIE _{Lab}	73.21, 5.72, 20.30
CIE _{LCh}	73, 21.089, 74.268
Yxy	45.4805, 0.3672, 0.3696
Android (android.graphics.Color)	4291604367 (0xFFCCAF8F)
YUV	180.0230, -18.2523, 21.0278
Hunter-Lab	67.4392, 1.5787, 18.7335

Details

The Yxy color $45.4805, 0.3672, 0.3696$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $39.6937, 0.2651, 0.2846$, and the grayscale version is $45.7438, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.8848, 0.3524, 0.3624$, and $21.3458, 0.3821, 0.3802$ is the 20% darker color. If you saturate the color by 10%, you get $41.2814, 0.3899, 0.3836$, and if you desaturate by 10%, it is $50.0669, 0.3467, 0.3555$.

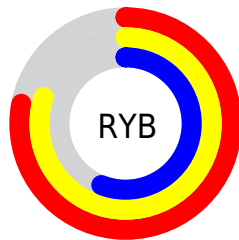
Distribution



Red (80%)

Green (69%)

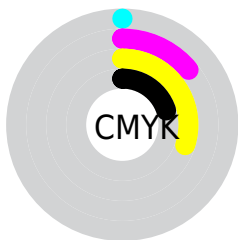
Blue (56%)



Red (78%)

Yellow (80%)

Blue (56%)

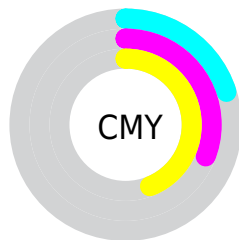


Cyan (0%)

Magenta (14%)

Yellow (30%)

Black (20%)



Cyan (20%)


Magenta (31%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4805, 0.3672, 0.3696 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 45.4805, 0.3672, 0.3696 by changing the saturation by 10% instead.


 45.4805, 0.3672,
0.3696

 45.4805, 0.3672,
0.3696


368.7161, 0.3398,
0.3497

 31.8361, 0.3740,
0.3744


 83.4410, 0.3572,
0.3625

 21.2363, 0.3828,
0.3804


 108.5258, 0.3535,
0.3598

 13.2969, 0.3944,
0.3882


138.1929, 0.3503,
0.3575

 7.6333, 0.4103,
0.3986

172.8267, 0.3476,
0.3555

 3.8612, 0.4334,
0.4127

212.8115, 0.3453,
0.3537

 1.5962, 0.4949,
0.4557

258.5317, 0.3432,

 0.3551, 0.5733,

0.3522

0.4267

310.3718, 0.3414,
0.3509

0.0000, 0.0000,
0.0000

45.4805, 0.3672,
0.3696

45.4805, 0.3672,
0.3696

41.2814, 0.3899,
0.3836

50.0669, 0.3467,
0.3555

37.4516, 0.4146,
0.3968

55.0454, 0.3285,
0.3418

33.9807, 0.4407,
0.4083

60.4287, 0.3125,
0.3289

30.8552, 0.4671,
0.4167

66.2269, 0.2985,
0.3167

28.0604, 0.4924,
0.4209

72.4497, 0.2863,
0.3055

■ 25.5798, 0.5149,
0.4198

■ 78.4186, 0.2812,
0.3057

■ 23.3881, 0.5341,
0.4140

■ 84.0613, 0.2819,
0.3161

■ 23.3649, 0.5343,
0.4139

■ 90.0101, 0.2825,
0.3264

■ 91.5738, 0.2827,
0.3289

Harmonies

Analogous

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



45.4805, 0.3715, 0.3482



45.4805, 0.3672, 0.3696



45.4805, 0.3480, 0.3813

Triad

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



45.4805, 0.3672, 0.3696



45.4805, 0.2681, 0.3322



45.4805, 0.3034, 0.2852

Complementary

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



45.4805, 0.3672, 0.3696



39.6937, 0.2651, 0.2846

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.



45.4805, 0.2770, 0.2799



45.4805, 0.3672, 0.3696



45.4805, 0.2573, 0.3053

Square

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



45.4805, 0.3672, 0.3696



45.4805, 0.2906, 0.3598



45.4805, 0.2605, 0.2867



45.4805, 0.3337, 0.3008

Rectangle

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



45.4805, 0.3672, 0.3696



45.4805, 0.3297, 0.3811



45.4805, 0.2605, 0.2867



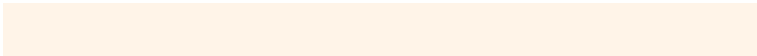
45.4805, 0.2938, 0.2822

Sweetspot

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



45.4826, 0.3672, 0.3696



91.8491, 0.3272, 0.3408



35.4791, 0.3472, 0.2918



19.3887, 0.3298, 0.3428



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.



45.4826, 0.3672, 0.3696



70.6939, 0.3819, 0.3789



57.8480, 0.3566, 0.4032



12.1719, 0.3277, 0.3412



14.8979, 0.5323, 0.4156



0.9199, 0.5044, 0.4377

Inverse Universe

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



39.6937, 0.2651, 0.2846



59.5614, 0.2542, 0.2730



29.9385, 0.2612, 0.2427



11.7084, 0.2983, 0.3165



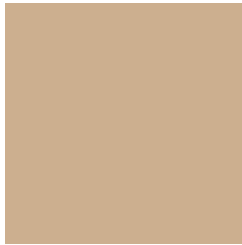
8.2986, 0.1753, 0.1509



0.5797, 0.1855, 0.1877

Previews

White Background



This preview shows how the Yxy color 45.4805, 0.3672, 0.3696 looks on a white background.

Color Contrast Check

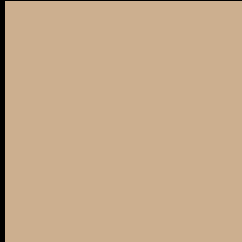
Large Text (above 18pt) WCAG AA × Fail

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 45.4805, 0.3672, 0.3696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

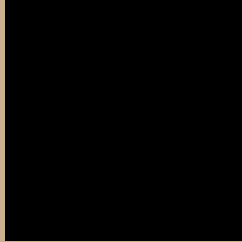
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4805, 0.3672, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 45.4805, 0.3672, 0.3696.



This preview shows how white text looks on a background with the Yxy color 45.4805, 0.3672, 0.3696.

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

45.4805, 0.3672, 0.3696

Protanopia

45.7632, 0.3517, 0.3750

Deuteranopia

45.5719, 0.3737, 0.3664



Tritanopia

45.5782, 0.3362, 0.3132

Trichromacy



Original Color

45.4805, 0.3672, 0.3696

Protanomaly

45.5902, 0.3578, 0.3731

Deuteranomaly

45.6652, 0.3714, 0.3678

Tritanomaly

45.5976, 0.3484, 0.3341

Monochromacy



Original Color

45.4805, 0.3672, 0.3696

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.4496, 0.3316, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4805, 0.3672, 0.3696 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(204, 175, 143)` looks like.

```
.text, #text, p{  
    color:rgb(204, 175, 143)  
}
```

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(204, 175, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 175, 143) }
```

Border

The CSS property to change the border of an element to Yxy 45.4805, 0.3672, 0.3696 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(204, 175, 143) }
```

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

```
.border{ border-color:rgb(204, 175, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 175, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 175, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 175, 143); box-shadow:4px 4px 4px 4px rgb(204, 175, 143) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4805, 0.3672, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 175, 143) }
```

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

```
.background{ background-color: rgb(204,  
175, 143) }
```

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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