

Converting Colors

$Y_{xy}(45.6498, 0.3747, 0.4040)$

Have a look what the booklet for
Yxy(45.6498, 0.3747, 0.4040)
contains.

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Color

Yxy(45.6498, 0.3747, 0.4040)

Conversions

Conversions Part 1

Format	Color
Hex	C3B47A
RGB	195, 180, 122
RGB Percent	76%, 71%, 48%
CMY	0.2354, 0.2941, 0.5214
CMYK	0.00, 0.08, 0.37, 0.24
HSL	48°, 38%, 62%
HSV	48°, 37%, 76%
XYZ	42.3391, 45.6498, 25.0057
YIQ	177.8730, 27.5580, -14.8580

Conversions

Conversions Part 2

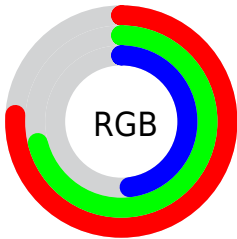
Format	Color
RYB	141, 195, 122
Decimal	12825722
CIELab	73.32, -3.13, 31.52
CIELCh	73, 31.674, 95.671
Yxy	45.6498, 0.3747, 0.4040
Android (android.graphics.Color)	4291015802 (0xFFC3B47A)
YUV	177.8730, -27.5454, 15.0204
Hunter-Lab	67.5646, -6.3819, 25.3520

Details

The Yxy color **45.6498, 0.3747, 0.4040** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.9776, 0.2484, 0.2405**, and the grayscale version is **44.5896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9687, 0.3642, 0.3908**, and **21.2221, 0.3915, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **43.6224, 0.3925, 0.4232**, and if you desaturate by 10%, it is **47.8251, 0.3570, 0.3838**.

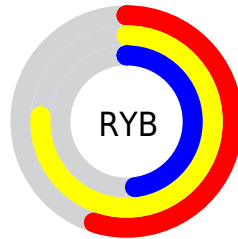
Distribution



Red (76%)

Green (71%)

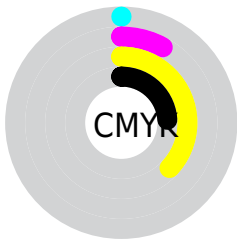
Blue (48%)



Red (55%)

Yellow (76%)

Blue (48%)

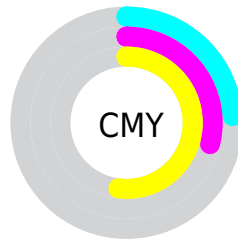


Cyan (0%)

Magenta (8%)

Yellow (37%)

Black (24%)



Cyan (24%)


Magenta (29%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6498, 0.3747, 0.4040 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 45.6498, 0.3747, 0.4040 by changing the saturation by 10% instead.

 45.6498, 0.3747,
0.4040

 45.6498, 0.3747,
0.4040


369.3989, 0.3442,
0.3666

 31.9696, 0.3819,
0.4131


 83.6946, 0.3639,
0.3905

 21.3382, 0.3910,
0.4245


 108.8280, 0.3597,
0.3855

 13.3715, 0.4024,
0.4393


 138.5480, 0.3562,
0.3811

 7.6848, 0.4169,
0.4586

173.2388, 0.3531,
0.3774

 3.8940, 0.4374,
0.4867

213.2849, 0.3505,
0.3742

 1.6144, 0.4685,
0.5315

259.0707, 0.3481,

 0.3673, 0.4261,

0.3713

0.5739

310.9806, 0.3461,
0.3688

0.0000, 0.0000,
0.0000

45.6498, 0.3747,
0.4040

45.6498, 0.3747,
0.4040

43.6224, 0.3925,
0.4232

47.8251, 0.3570,
0.3838

41.7304, 0.4097,
0.4404

50.1477, 0.3400,
0.3633

39.9690, 0.4256,
0.4547


52.6250, 0.3239,
0.3433


38.3305, 0.4395,
0.4650


55.2622, 0.3090,
0.3241


36.8060, 0.4507,
0.4707

58.0638, 0.2953,
0.3060

 35.3830, 0.4591,
0.4720

 61.0344, 0.2828,
0.2892

 35.0252, 0.4611,
0.4721

 63.9486, 0.2736,
0.2772

 65.9262, 0.2740,
0.2818

 67.9534, 0.2743,
0.2863

Harmonies

Analogous

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



45.6498, 0.3987, 0.3796



45.6498, 0.3747, 0.4040



45.6498, 0.3348, 0.4083

Triad

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



45.6498, 0.3747, 0.4040



45.6498, 0.2339, 0.3029



45.6498, 0.3307, 0.2801

Complementary

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



45.6498, 0.3747, 0.4040



25.9776, 0.2484, 0.2405

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.



45.6498, 0.2860, 0.2614



45.6498, 0.3747, 0.4040



45.6498, 0.2329, 0.2717

Square

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



45.6498, 0.3747, 0.4040



45.6498, 0.2543, 0.3458



45.6498, 0.2512, 0.2579



45.6498, 0.3729, 0.3099

Rectangle

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



45.6498, 0.3747, 0.4040



45.6498, 0.3052, 0.3965



45.6498, 0.2512, 0.2579



45.6498, 0.3154, 0.2724

Sweetspot

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



45.6519, 0.3747, 0.4040



92.5658, 0.3298, 0.3508



27.3605, 0.3830, 0.3078



20.1361, 0.3320, 0.3535



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.



45.6519, 0.3747, 0.4040



78.7458, 0.3894, 0.4200



49.4651, 0.3500, 0.4270



11.3957, 0.3270, 0.3472



22.8911, 0.4604, 0.4726



1.0799, 0.4496, 0.4812

Inverse Universe

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



25.9776, 0.2484, 0.2405



38.4349, 0.2324, 0.2167



23.6831, 0.2638, 0.2224



10.0756, 0.2983, 0.3101



3.6479, 0.1561, 0.0820



0.2584, 0.1677, 0.1236

Previews

White Background



This preview shows how the Yxy color 45.6498, 0.3747, 0.4040 looks on a white background.

Color Contrast Check

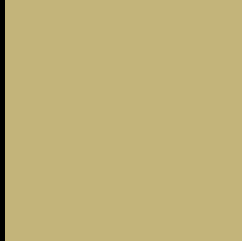
Large Text (above 18pt) WCAG AA × Fail

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 45.6498, 0.3747, 0.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

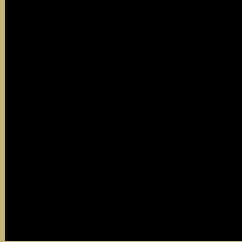
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6498, 0.3747, 0.4040

Background



This preview shows how black text looks on a background with the Yxy color 45.6498, 0.3747, 0.4040.



This preview shows how white text looks on a background with the Yxy color 45.6498, 0.3747, 0.4040.

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

45.6498, 0.3747, 0.4040

Protanopia

45.6498, 0.3747, 0.4040

Deuteranopia

45.4074, 0.3960, 0.3874



Tritanopia

45.5644, 0.3287, 0.3129

Trichromacy



Original Color

45.6498, 0.3747, 0.4040

Protanomaly

45.6498, 0.3747, 0.4040

Deuteranomaly

45.4999, 0.3887, 0.3937

Tritanomaly

45.4107, 0.3456, 0.3457

Monochromacy



Original Color

45.6498, 0.3747, 0.4040

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8992, 0.3344, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6498, 0.3747, 0.4040 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(195, 180, 122)` looks like.

```
.text, #text, p{  
    color:rgb(195, 180, 122)  
}
```

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(195, 180, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 180, 122) }
```

Border

The CSS property to change the border of an element to Yxy 45.6498, 0.3747, 0.4040 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(195, 180, 122) }
```

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

```
.border{ border-color:rgb(195, 180, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 180, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 180, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 180, 122);  
box-shadow:4px 4px 4px 4px rgb(195, 180,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6498, 0.3747, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 180, 122) }
```

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

```
.background{ background-color: rgb(195,  
180, 122) }
```

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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