

Converting Colors

$Y_{xy}(45.0592, 0.3596, 0.4095)$

Have a look what the booklet for
Yxy(45.0592, 0.3596, 0.4095)
contains.

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Color

Yxy(45.1208, 0.3595, 0.4100)

Conversions

Conversions Part 1

Format	Color
Hex	B5B77B
RGB	181, 183, 123
RGB Percent	71%, 72%, 48%
CMY	0.2902, 0.2823, 0.5176
CMYK	0.01, 0.00, 0.33, 0.28
HSL	62°, 29%, 60%
HSV	62°, 33%, 72%
XYZ	39.5632, 45.1208, 25.3667
YIQ	175.5620, 18.0680, -19.0840

Conversions

Conversions Part 2

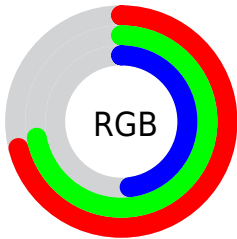
Format	Color
R_YB	123, 183, 125
Decimal	11908987
CIE Lab	72.97, -10.17, 30.33
CIE LCh	73, 31.995, 108.537
Yxy	45.1208, 0.3595, 0.4100
Android (android.graphics.Color)	4290099067 (0xFFB5B77B)
YUV	175.5620, -25.9131, 4.7691
Hunter-Lab	67.1720, -12.4174, 24.6303

Details

The Yxy color **45.1208, 0.3595, 0.4100** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.9509, 0.2568, 0.2340**, and the grayscale version is **43.3071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0447, 0.3518, 0.3951**, and **20.9583, 0.3714, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **44.6322, 0.3730, 0.4338**, and if you desaturate by 10%, it is **45.6995, 0.3453, 0.3852**.

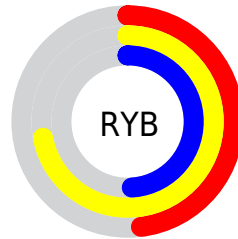
Distribution



Red (71%)

Green (72%)

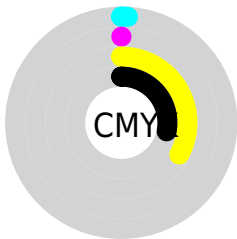
Blue (48%)



Red (48%)

Yellow (72%)

Blue (49%)

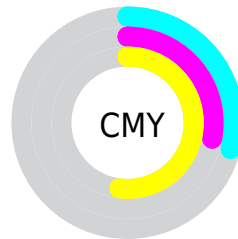


Cyan (1%)

Magenta (0%)

Yellow (33%)

Black (28%)



Cyan (29%)


Magenta (28%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1208, 0.3595, 0.4100 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 45.1208, 0.3595, 0.4100 by changing the saturation by 10% instead.


 45.1208, 0.3595,
0.4100


 45.1208, 0.3595,
0.4100


367.2626, 0.3368,
0.3688

 31.5526, 0.3648,
0.4204

 82.9017, 0.3515,
0.3949

 21.0200, 0.3713,
0.4336


 107.8831, 0.3484,
0.3893

 13.1386, 0.3793,
0.4511

 137.4377, 0.3458,
0.3845

 7.5241, 0.3892,
0.4748

171.9499, 0.3435,
0.3805

 3.7920, 0.4023,
0.5105

211.8041, 0.3415,
0.3770

 1.5579, 0.4242,
0.5758

257.3847, 0.3398,

 0.3289, 0.1636,

0.3739

0.8364

309.0761, 0.3382,
0.3712

0.0000, 0.0000,
0.0000

45.1208, 0.3595,
0.4100

45.1208, 0.3595,
0.4100

44.6322, 0.3730,
0.4338

45.6995, 0.3453,
0.3852

44.2227, 0.3852,
0.4555

46.3666, 0.3308,
0.3601

43.8893, 0.3956,
0.4744


47.1282, 0.3166,
0.3356

43.6259, 0.4037,
0.4894


47.9883, 0.3029,
0.3122


43.4259, 0.4093,
0.5003


48.9503, 0.2900,
0.2901


 43.2812, 0.4124,
0.5070

 50.0179, 0.2780,
0.2697

 43.1994, 0.4135,
0.5099

 51.1942, 0.2669,
0.2509

 51.5186, 0.2650,
0.2472

 51.5959, 0.2654,
0.2473

Harmonies

Analogous

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



45.1208, 0.3921, 0.3926



45.1208, 0.3595, 0.4100



45.1208, 0.3157, 0.4032

Triad

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



45.1208, 0.3595, 0.4100



45.1208, 0.2300, 0.2870



45.1208, 0.3505, 0.2913

Complementary

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



45.1208, 0.3595, 0.4100



21.9509, 0.2568, 0.2340

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.



45.1208, 0.3044, 0.2670



45.1208, 0.3595, 0.4100



45.1208, 0.2375, 0.2627

Square

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



45.1208, 0.3595, 0.4100



45.1208, 0.2424, 0.3265



45.1208, 0.2637, 0.2565



45.1208, 0.3877, 0.3246

Rectangle

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



45.1208, 0.3595, 0.4100



45.1208, 0.2864, 0.3840



45.1208, 0.2637, 0.2565



45.1208, 0.3353, 0.2819

Sweetspot

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



45.1228, 0.3595, 0.4100



83.3746, 0.3271, 0.3537



26.1692, 0.3863, 0.3321



18.3743, 0.3291, 0.3571



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.1228, 0.3595, 0.4100



80.1879, 0.3689, 0.4265



41.8808, 0.3320, 0.4178



10.4875, 0.3259, 0.3516



30.1401, 0.4136, 0.5098



1.0673, 0.4151, 0.5086

Inverse Universe

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



21.9509, 0.2568, 0.2340



32.5456, 0.2428, 0.2105



24.5581, 0.2866, 0.2414



8.7335, 0.2989, 0.3054



2.4189, 0.1513, 0.0607



0.0902, 0.1564, 0.0635

Previews

White Background



This preview shows how the Yxy color 45.1208, 0.3595, 0.4100 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 45.1208, 0.3595, 0.4100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

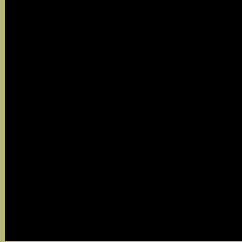
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

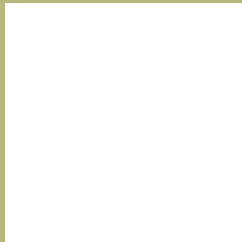
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1208, 0.3595, 0.4100

Background



This preview shows how black text looks on a background with the Yxy color 45.1208, 0.3595, 0.4100.



This preview shows how white text looks on a background with the Yxy color 45.1208, 0.3595, 0.4100.

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

45.1208, 0.3595, 0.4100

Protanopia

45.0900, 0.3751, 0.4044

Deuteranopia

44.7783, 0.3928, 0.3843



Tritanopia

45.1529, 0.3136, 0.3112

Trichromacy



Original Color

45.1208, 0.3595, 0.4100

Protanomaly

44.8665, 0.3691, 0.4056

Deuteranomaly

44.5581, 0.3802, 0.3929

Tritanomaly

44.9965, 0.3305, 0.3462

Monochromacy



Original Color

45.1208, 0.3595, 0.4100

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1395, 0.3298, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1208, 0.3595, 0.4100 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(181, 183, 123)` looks like.

```
.text, #text, p{  
    color:rgb(181, 183, 123)  
}
```

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(181, 183, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 183, 123) }
```

Border

The CSS property to change the border of an element to Yxy 45.1208, 0.3595, 0.4100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

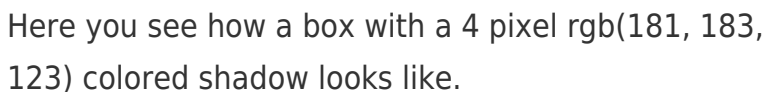
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 183, 123) }
```

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

```
.border{ border-color:rgb(181, 183, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 183, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 183, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 183, 123);  
box-shadow:4px 4px 4px 4px rgb(181, 183,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1208, 0.3595, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 183, 123) }
```

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

```
.background{ background-color: rgb(181,  
183, 123) }
```

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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