

# Converting Colors

$Y_{xy}(45.3110, 0.3391, 0.3430)$

Have a look what the booklet for  
Yxy(45.3110, 0.3391, 0.3430)  
contains.

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# Color

**Yxy(45.3694, 0.3391, 0.3432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3B0A5
RGB	195, 176, 165
RGB Percent	76%, 69%, 65%
CMY	0.2352, 0.3098, 0.3529
CMYK	0.00, 0.10, 0.15, 0.24
HSL	22°, 20%, 71%
HSV	22°, 15%, 76%
XYZ	44.8274, 45.3694, 41.9984
YIQ	180.4270, 14.8550, 0.6070

# Conversions

## Conversions Part 2

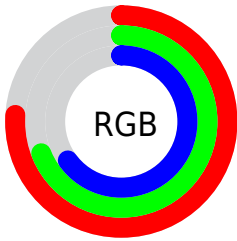
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 182, 165
Decimal	12824741
CIE Lab	73.13, 5.00, 8.09
CIE LCh	73, 9.513, 58.300
Yxy	45.3694, 0.3391, 0.3432
Android (android.graphics.Color)	4291014821 (0xFFC3B0A5)
YUV	180.4270, -7.6055, 12.7805
Hunter-Lab	67.3568, 0.9212, 10.1812

# Details

The Yxy color  $45.3694, 0.3391, 0.3432$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $46.2393, 0.2891, 0.3144$ , and the grayscale version is  $45.9216, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.5760, 0.3343, 0.3411$ , and  $21.2703, 0.3468, 0.3484$  is the 20% darker color. If you saturate the color by 10%, you get  $40.0845, 0.3600, 0.3531$ , and if you desaturate by 10%, it is  $51.2083, 0.3212, 0.3338$ .

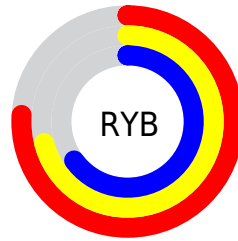
# Distribution



Red (76%)

Green (69%)

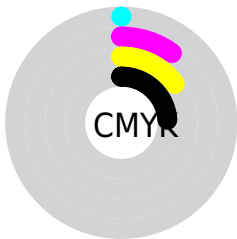
Blue (65%)



Red (76%)

Yellow (71%)

Blue (65%)

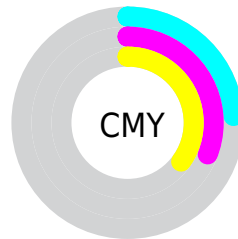


Cyan (0%)

Magenta (10%)

Yellow (15%)

Black (24%)



Cyan (24%)

Magenta (31%)

Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3694, 0.3391, 0.3432 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 45.3694, 0.3391, 0.3432 by changing the saturation by 10% instead.





 45.3694, 0.3391,  
0.3432

 45.3694, 0.3391,  
0.3432


368.2676, 0.3258,  
0.3362

 31.7485, 0.3425,  
0.3449


 83.2745, 0.3342,  
0.3407

 21.1695, 0.3468,  
0.3471


 108.3274, 0.3324,  
0.3397

 13.2479, 0.3526,  
0.3500


137.9598, 0.3309,  
0.3389

 7.5995, 0.3608,  
0.3540

172.5561, 0.3296,  
0.3382

 3.8398, 0.3733,  
0.3598

212.5006, 0.3284,  
0.3376

 1.5843, 0.3941,  
0.3688

258.1777, 0.3274,

 0.3470, 0.5656,

0.3371

0.4344

309.9719, 0.3266,  
0.3366

0.0000, 0.0000,  
0.0000

45.3694, 0.3391,  
0.3432

45.3694, 0.3391,  
0.3432

40.0845, 0.3600,  
0.3531

51.2083, 0.3212,  
0.3338

35.3309, 0.3842,  
0.3631

57.6110, 0.3060,  
0.3250

31.0932, 0.4119,  
0.3727

64.5948, 0.2930,  
0.3169

27.3529, 0.4427,  
0.3813

72.1742, 0.2819,  
0.3095

24.0901, 0.4759,  
0.3876

79.8690, 0.2763,  
0.3105

■ 21.2836, 0.5097,  
0.3905

■ 87.3107, 0.2774,  
0.3238

■ 18.9101, 0.5415,  
0.3888

■ 90.3449, 0.2778,  
0.3289

■ 16.9435, 0.5685,  
0.3819

■ 16.1592, 0.5797,  
0.3779

# Harmonies

## Analogous

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



45.3694, 0.3369, 0.3323



45.3694, 0.3391, 0.3432



45.3694, 0.3341, 0.3507

# Triad

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



45.3694, 0.3391, 0.3432



45.3694, 0.2974, 0.3373



45.3694, 0.3018, 0.3066

# Complementary

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



45.3694, 0.3391, 0.3432



46.2393, 0.2891, 0.3144

# 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.



45.3694, 0.2916, 0.3075



45.3694, 0.3391, 0.3432



45.3694, 0.2891, 0.3250

# Square

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



45.3694, 0.3391, 0.3432



45.3694, 0.3099, 0.3475



45.3694, 0.2870, 0.3141



45.3694, 0.3152, 0.3115



# Rectangle

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



45.3694, 0.3391, 0.3432



45.3694, 0.3273, 0.3526



45.3694, 0.2870, 0.3141



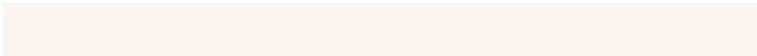
45.3694, 0.2979, 0.3063

# Sweetspot

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



45.3714, 0.3391, 0.3432



92.0314, 0.3207, 0.3335



42.0031, 0.3236, 0.3042



19.9821, 0.3219, 0.3342



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

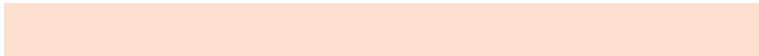


# Same Dimension

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



45.3714, 0.3391, 0.3432



78.4029, 0.3448, 0.3460



51.3745, 0.3363, 0.3613



10.6680, 0.3280, 0.3375



10.6477, 0.5773, 0.3799



0.5920, 0.5347, 0.4137

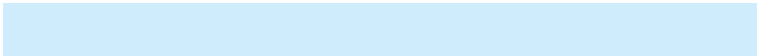


# Inverse Universe

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



46.2393, 0.2891, 0.3144



80.2104, 0.2846, 0.3114



40.5103, 0.2883, 0.2945



10.7885, 0.2984, 0.3204



12.0350, 0.1905, 0.2058



0.6476, 0.1990, 0.2365



# Previews

## White Background



This preview shows how the Yxy color 45.3694, 0.3391, 0.3432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

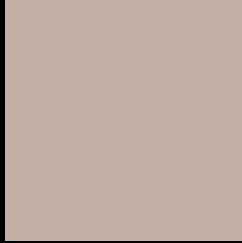
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.3694, 0.3391, 0.3432 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

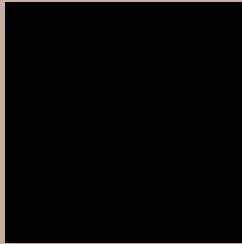
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.3694, 0.3391, 0.3432**

## Background



This preview shows how black text looks on a background with the Yxy color 45.3694, 0.3391, 0.3432.



This preview shows how white text looks on a background with the Yxy color 45.3694, 0.3391, 0.3432.

# 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

45.3694, 0.3391, 0.3432

### Protanopia

45.4693, 0.3287, 0.3448

### Deuteranopia

45.1969, 0.3453, 0.3379



## Tritanopia

45.4381, 0.3242, 0.3128

# Trichromacy



## Original Color

45.3694, 0.3391, 0.3432

## Protanomaly

45.4128, 0.3324, 0.3447

## Deuteranomaly

45.1674, 0.3423, 0.3393

## Tritanomaly

45.3568, 0.3300, 0.3240

# Monochromacy



## Original Color

45.3694, 0.3391, 0.3432

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.6496, 0.3212, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3694, 0.3391, 0.3432 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, 176, 165)` looks like.

```
.text, #text, p{  
    color:rgb(195, 176, 165)  
}
```

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, 176, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 176, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3694, 0.3391, 0.3432 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, 176, 165) }
```

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

```
.border{ border-color:rgb(195, 176, 165) }
```

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

Here you see how a box with a 4 pixel rgb(195, 176, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 176, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 176, 165);  
box-shadow:4px 4px 4px 4px rgb(195, 176,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3694, 0.3391, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 176, 165) }
```

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

```
.background{ background-color: rgb(195,  
176, 165) }
```

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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