

# Converting Colors

$Y_{xy}(45.3322, 0.3337, 0.3265)$

Have a look what the booklet for  
Yxy(45.3322, 0.3337, 0.3265)  
contains.

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# Color

**Yxy(45.5488, 0.3335, 0.3265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7AEB0
RGB	199, 174, 176
RGB Percent	78%, 68%, 69%
CMY	0.2197, 0.3176, 0.3097
CMYK	0.00, 0.13, 0.12, 0.22
HSL	355°, 18%, 73%
HSV	355°, 13%, 78%
XYZ	46.5253, 45.5488, 47.4321
YIQ	181.7030, 14.2580, 5.9220

# Conversions

## Conversions Part 2

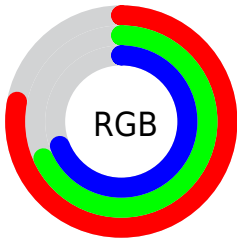
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 174, 176
Decimal	13086384
CIE <sub>Lab</sub>	73.25, 9.35, 2.27
CIE <sub>LCh</sub>	73, 9.618, 13.653
Yxy	45.5488, 0.3335, 0.3265
Android (android.graphics.Color)	4291276464 (0xFFC7AEB0)
YUV	181.7030, -2.8116, 15.1695
Hunter-Lab	67.4899, 4.9449, 5.5736

# Details

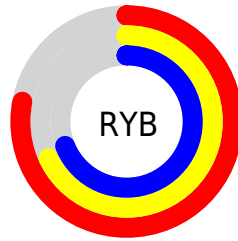
The Yxy color **45.5488, 0.3335, 0.3265** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **53.8685, 0.2951, 0.3315**, and the grayscale version is **46.6202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1248, 0.3288, 0.3261**, and **21.3940, 0.3391, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **37.7472, 0.3547, 0.3244**, and if you desaturate by 10%, it is **54.5908, 0.3165, 0.3285**.

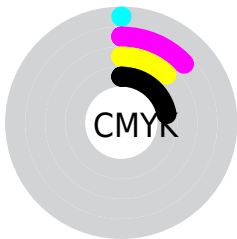
# Distribution



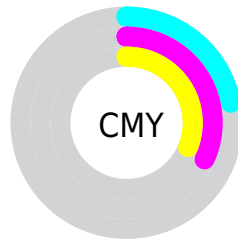
- Red (78%)
- Green (68%)
- Blue (69%)



- Red (78%)
- Yellow (68%)
- Blue (69%)



- Cyan (0%)
- Magenta (13%)
- Yellow (12%)
- Black (22%)




- Cyan (22%)
- Magenta (32%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5488, 0.3335, 0.3265 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 45.5488, 0.3335, 0.3265 by changing the saturation by 10% instead.





 45.5488, 0.3335,  
0.3265

 45.5488, 0.3335,  
0.3265

368.9917, 0.3230,  
0.3278

 31.8899, 0.3361,  
0.3261


 83.5433, 0.3297,  
0.3270

 21.2774, 0.3395,  
0.3257


108.6478, 0.3282,  
0.3272

 13.3269, 0.3441,  
0.3250


138.3362, 0.3270,  
0.3273

 7.6541, 0.3506,  
0.3241

172.9930, 0.3260,  
0.3275

 3.8744, 0.3603,  
0.3226

213.0025, 0.3251,  
0.3276

 1.6036, 0.3768,  
0.3199

258.7492, 0.3243,

 0.3600, 0.4901,

0.3277

0.3094

310.6175, 0.3236,  
0.3278

0.0000, 0.0000,  
0.0000

45.5488, 0.3335,  
0.3265

45.5488, 0.3335,  
0.3265

37.7472, 0.3547,  
0.3244

54.5908, 0.3165,  
0.3285

31.1262, 0.3809,  
0.3222

64.9177, 0.3028,  
0.3304

25.6302, 0.4130,  
0.3202

76.5791, 0.2918,  
0.3321

21.1965, 0.4513,  
0.3185

89.6203, 0.2828,  
0.3336

17.7565, 0.4948,  
0.3176

90.8800, 0.2800,  
0.3289

■ 15.2335, 0.5404,  
0.3180

■ 13.5395, 0.5829,  
0.3198

■ 12.5692, 0.6157,  
0.3232

■ 12.1780, 0.6318,  
0.3254

# Harmonies

## Analogous

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



45.5488, 0.3222, 0.3157



45.5488, 0.3335, 0.3265



45.5488, 0.3392, 0.3382

# Triad

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



45.5488, 0.3335, 0.3265



45.5488, 0.3166, 0.3509



45.5488, 0.2883, 0.3099

# Complementary

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



45.5488, 0.3335, 0.3265



53.8685, 0.2951, 0.3315

# 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.



45.5488, 0.2870, 0.3189



45.5488, 0.3335, 0.3265



45.5488, 0.3030, 0.3429

# Square

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



45.5488, 0.3335, 0.3265



45.5488, 0.3292, 0.3526



45.5488, 0.2923, 0.3311



45.5488, 0.2961, 0.3061



# Rectangle

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



45.5488, 0.3335, 0.3265



45.5488, 0.3390, 0.3450



45.5488, 0.2923, 0.3311



45.5488, 0.2871, 0.3124

# Sweetspot

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



45.5508, 0.3335, 0.3265



93.0749, 0.3188, 0.3282



46.2548, 0.3124, 0.2982



19.6520, 0.3200, 0.3281



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.



45.5508, 0.3335, 0.3265



75.9167, 0.3387, 0.3259



49.6497, 0.3336, 0.3421



10.6507, 0.3277, 0.3272



7.8374, 0.6300, 0.3244



0.3760, 0.5977, 0.3067



# Inverse Universe

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



45.5508, 0.3335, 0.3265



75.9167, 0.3387, 0.3259



49.3359, 0.2934, 0.3156



10.6507, 0.3277, 0.3272



7.8374, 0.6300, 0.3244



0.3760, 0.5977, 0.3067



# Previews

## White Background



This preview shows how the Yxy color 45.5488, 0.3335, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

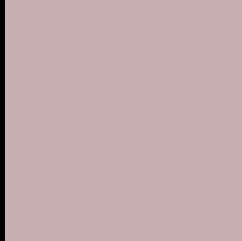
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.5488, 0.3335, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

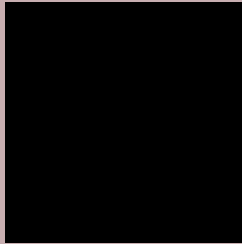
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.5488, 0.3335, 0.3265**

## Background



This preview shows how black text looks on a background with the Yxy color 45.5488, 0.3335, 0.3265.



This preview shows how white text looks on a background with the Yxy color 45.5488, 0.3335, 0.3265.

# 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

45.5488, 0.3335, 0.3265

### Protanopia

45.5622, 0.3162, 0.3290

### Deuteranopia

45.5488, 0.3335, 0.3265



## Tritanopia

45.3296, 0.3261, 0.3116

# Trichromacy



## Original Color

45.5488, 0.3335, 0.3265

## Protanomaly

45.4775, 0.3225, 0.3277

## Deuteranomaly

45.5488, 0.3335, 0.3265

## Tritanomaly

45.5439, 0.3294, 0.3178

# Monochromacy



## Original Color

45.5488, 0.3335, 0.3265

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

46.2269, 0.3197, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5488, 0.3335, 0.3265 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(199, 174, 176)` looks like.

```
.text, #text, p{  
    color:rgb(199, 174, 176)  
}
```

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(199, 174, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 174, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5488, 0.3335, 0.3265 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(199, 174, 176) }
```

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

```
.border{ border-color:rgb(199, 174, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 174, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 174, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 174, 176);  
box-shadow:4px 4px 4px 4px rgb(199, 174,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5488, 0.3335, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 174, 176) }
```

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

```
.background{ background-color: rgb(199,  
174, 176) }
```

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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