

# Converting Colors

$Yxy(45.2642, 0.3228, 0.3183)$

Have a look what the booklet for  
Yxy(45.2642, 0.3228, 0.3183)  
contains.

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# Color

**Yxy(45.1603, 0.3230, 0.3176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2AEB7
RGB	194, 174, 183
RGB Percent	76%, 68%, 72%
CMY	0.2393, 0.3176, 0.2823
CMYK	0.00, 0.10, 0.06, 0.24
HSL	333°, 14%, 72%
HSV	333°, 10%, 76%
XYZ	45.9281, 45.1603, 51.1039
YIQ	181.0060, 9.0310, 7.0390

# Conversions

## Conversions Part 2

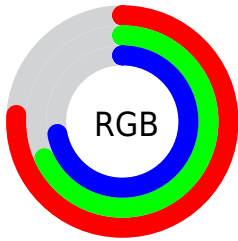
Format	Color
<a href="#">RYB</a>	<a href="#">194, 174, 183</a>
Decimal	<a href="#">12758711</a>
CIELab	<a href="#">73.00, 8.75, -1.98</a>
CIElCh	<a href="#">73, 8.972, 347.225</a>
Yxy	<a href="#">45.1603, 0.3230, 0.3176</a>
Android (android.graphics.Color)	<a href="#">4290948791 (0xFFC2AEB7)</a>
YUV	<a href="#">181.0060, 0.9830, 11.3957</a>
Hunter-Lab	<a href="#">67.2014, 4.3916, 1.9534</a>

# Details

The Yxy color **45.1603, 0.3230, 0.3176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.0751, 0.3035, 0.3407**, and the grayscale version is **46.2029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7798, 0.3214, 0.3191**, and **21.1062, 0.3257, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **37.7732, 0.3351, 0.3059**, and if you desaturate by 10%, it is **53.6673, 0.3130, 0.3287**.

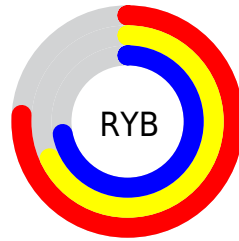
# Distribution



Red (76%)

Green (68%)

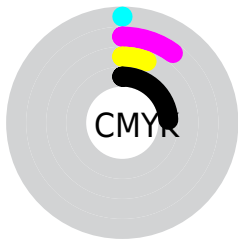
Blue (72%)



Red (76%)

Yellow (68%)

Blue (72%)

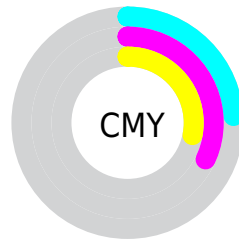


Cyan (0%)

Magenta (10%)

Yellow (6%)

Black (24%)



Cyan (24%)

Magenta (32%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1603, 0.3230, 0.3176 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 45.1603, 0.3230, 0.3176 by changing the saturation by 10% instead.





 45.1603, 0.3230,  
0.3176

 45.1603, 0.3230,  
0.3176


367.4224, 0.3179,  
0.3233

 31.5837, 0.3243,  
0.3162


 82.9609, 0.3211,  
0.3197

 21.0437, 0.3259,  
0.3144


107.9537, 0.3204,  
0.3204

 13.1560, 0.3282,  
0.3119


137.5207, 0.3198,  
0.3211

 7.5360, 0.3313,  
0.3086

172.0463, 0.3193,  
0.3217

 3.7995, 0.3359,  
0.3035

211.9149, 0.3189,  
0.3222

 1.5621, 0.3437,  
0.2952

257.5108, 0.3185,

 0.3318, 0.3887,

0.3226

0.2438

309.2185, 0.3182,  
0.3230

0.0000, 0.0000,  
0.0000

45.1603, 0.3230,  
0.3176

45.1603, 0.3230,  
0.3176

37.7732, 0.3351,  
0.3059

53.6673, 0.3130,  
0.3287

31.4531, 0.3497,  
0.2939

63.3323, 0.3047,  
0.3390

26.1517, 0.3671,  
0.2819

74.1991, 0.2979,  
0.3486

21.8148, 0.3875,  
0.2707

86.3072, 0.2923,  
0.3573

18.3828, 0.4109,  
0.2613

89.0577, 0.2868,  
0.3491

■ 15.7895, 0.4368,  
0.2548

■ 89.6963, 0.2814,  
0.3375

■ 13.9599, 0.4643,  
0.2525

■ 90.2063, 0.2773,  
0.3289

■ 12.8048, 0.4918,  
0.2553

■ 12.1624, 0.5174,  
0.2624

# Harmonies

## Analogous

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



45.1603, 0.3103, 0.3102



45.1603, 0.3230, 0.3176



45.1603, 0.3331, 0.3280

# Triad

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



45.1603, 0.3230, 0.3176



45.1603, 0.3269, 0.3512



45.1603, 0.2884, 0.3184

# Complementary

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



45.1603, 0.3230, 0.3176



51.0751, 0.3035, 0.3407

# 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.



45.1603, 0.2927, 0.3295



45.1603, 0.3230, 0.3176



45.1603, 0.3148, 0.3489

# Square

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



45.1603, 0.3230, 0.3176



45.1603, 0.3354, 0.3474



45.1603, 0.3023, 0.3408



45.1603, 0.2905, 0.3104



# Rectangle

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



45.1603, 0.3230, 0.3176



45.1603, 0.3369, 0.3354



45.1603, 0.3023, 0.3408



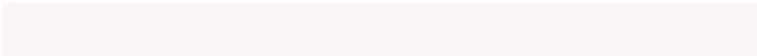
45.1603, 0.2892, 0.3219

# Sweetspot

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



45.1623, 0.3230, 0.3176



92.8051, 0.3156, 0.3257



44.4424, 0.3058, 0.3034



20.0410, 0.3163, 0.3248



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.



45.1623, 0.3230, 0.3176



79.1506, 0.3251, 0.3154



45.0570, 0.3306, 0.3299



10.1517, 0.3220, 0.3187



8.0146, 0.5142, 0.2606



0.3602, 0.4602, 0.2309



# Inverse Universe

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



45.1623, 0.3230, 0.3176



79.1506, 0.3251, 0.3154



51.1719, 0.2971, 0.3281



10.1517, 0.3220, 0.3187



8.0146, 0.5142, 0.2606



0.3602, 0.4602, 0.2309



# Previews

## White Background



This preview shows how the Yxy color 45.1603, 0.3230, 0.3176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

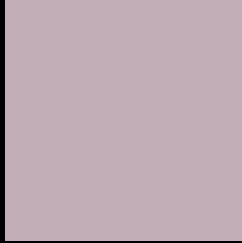
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.1603, 0.3230, 0.3176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

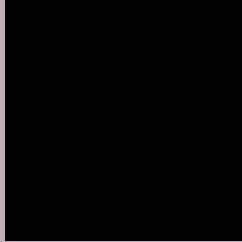
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1603, 0.3230, 0.3176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1603, 0.3230, 0.3176.



This preview shows how white text looks on a background with the Yxy color 45.1603, 0.3230, 0.3176.

# 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

45.1603, 0.3230, 0.3176

### Protanopia

45.2097, 0.3089, 0.3186

### Deuteranopia

45.2931, 0.3239, 0.3176



## Tritanopia

45.0771, 0.3207, 0.3114

# Trichromacy



## Original Color

45.1603, 0.3230, 0.3176

## Protanomaly

45.3862, 0.3141, 0.3187

## Deuteranomaly

45.2931, 0.3239, 0.3176

## Tritanomaly

45.0344, 0.3215, 0.3126

# Monochromacy



## Original Color

45.1603, 0.3230, 0.3176

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.6573, 0.3164, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1603, 0.3230, 0.3176 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(194, 174, 183)` looks like.

```
.text, #text, p{  
    color:rgb(194, 174, 183)  
}
```

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(194, 174, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 174, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1603, 0.3230, 0.3176 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(194, 174, 183) }
```

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

```
.border{ border-color:rgb(194, 174, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 174, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 174, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 174, 183);  
box-shadow:4px 4px 4px 4px rgb(194, 174,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1603, 0.3230, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 174, 183) }
```

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

```
.background{ background-color: rgb(194,  
174, 183) }
```

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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