

# Converting Colors

$Y_{xy}(48.1309, 0.3166, 0.3276)$

Have a look what the booklet for  
Yxy(48.1309, 0.3166, 0.3276)  
contains.

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# Color

**Yxy(48.1465, 0.3170, 0.3277)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BDB7B8
RGB	189, 183, 184
RGB Percent	74%, 72%, 72%
CMY	0.2588, 0.2823, 0.2783
CMYK	0.00, 0.03, 0.03, 0.26
HSL	350°, 4%, 73%
HSV	350°, 3%, 74%
XYZ	46.5744, 48.1465, 52.2016
YIQ	184.9080, 3.2550, 1.5830

# Conversions

## Conversions Part 2

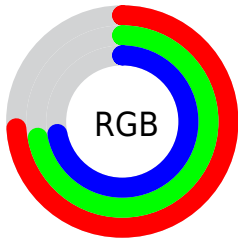
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 183, 184
Decimal	12433336
CIE <sub>Lab</sub>	74.92, 2.31, 0.22
CIE <sub>LCh</sub>	75, 2.317, 5.483
Yxy	48.1465, 0.3170, 0.3277
Android (android.graphics.Color)	4290623416 (0xFFBDB7B8)
YUV	184.9080, -0.4476, 3.5887
Hunter-Lab	69.3877, -1.6156, 3.9665

# Details

The Yxy color **48.1465, 0.3170, 0.3277** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0941, 0.3086, 0.3303**, and the grayscale version is **48.4653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4368, 0.3161, 0.3280**, and **22.8382, 0.3186, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **40.2471, 0.3325, 0.3234**, and if you desaturate by 10%, it is **57.1697, 0.3044, 0.3317**.

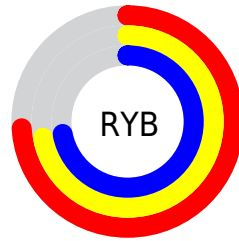
# Distribution



Red (74%)

Green (72%)

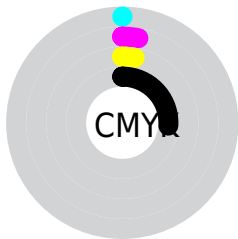
Blue (72%)



Red (74%)

Yellow (72%)

Blue (72%)

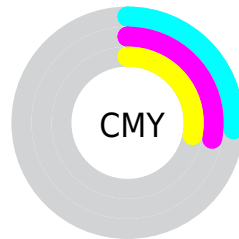


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (26%)



Cyan (26%)

Magenta (28%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1465, 0.3170, 0.3277 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 48.1465, 0.3170, 0.3277 by changing the saturation by 10% instead.



■ 48.1465, 0.3170,  
0.3277

■ 48.1465, 0.3170,  
0.3277

379.3725, 0.3149,  
0.3284

■ 33.9429, 0.3175,  
0.3275

■ 87.4225, 0.3162,  
0.3279

■ 22.8498, 0.3182,  
0.3273

113.2637, 0.3159,  
0.3280

■ 14.4826, 0.3191,  
0.3270

143.7529, 0.3157,  
0.3281

■ 8.4571, 0.3204,  
0.3267

179.2744, 0.3155,  
0.3282

■ 4.3888, 0.3222,  
0.3261

220.2128, 0.3153,  
0.3282

■ 1.8933, 0.3253,  
0.3251

266.9523, 0.3151,

■ 0.5444, 0.3384,

0.3283

0.3211

319.8774, 0.3150,  
0.3283

0.0000, 0.0000,  
0.0000

48.1465, 0.3170,  
0.3277

48.1465, 0.3170,  
0.3277

40.2471, 0.3325,  
0.3234

57.1697, 0.3044,  
0.3317

33.4216, 0.3518,  
0.3189

67.3519, 0.2942,  
0.3353

27.6253, 0.3755,  
0.3143

78.7344, 0.2859,  
0.3386

22.8082, 0.4043,  
0.3098

89.0345, 0.2788,  
0.3378

18.9159, 0.4386,  
0.3061

89.5593, 0.2747,  
0.3289

■ 15.8889, 0.4778,  
0.3036

■ 13.6606, 0.5199,  
0.3034

■ 12.1546, 0.5611,  
0.3061

■ 11.2796, 0.5961,  
0.3118

# Harmonies

## Analogous

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



48.1465, 0.3141, 0.3252



48.1465, 0.3170, 0.3277



48.1465, 0.3187, 0.3305

# Triad

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



48.1465, 0.3170, 0.3277



48.1465, 0.3145, 0.3344



48.1465, 0.3066, 0.3250

# Complementary

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



48.1465, 0.3170, 0.3277



50.0941, 0.3086, 0.3303

# 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.



48.1465, 0.3068, 0.3274



48.1465, 0.3170, 0.3277



48.1465, 0.3113, 0.3329

# Square

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



48.1465, 0.3170, 0.3277



48.1465, 0.3173, 0.3344



48.1465, 0.3085, 0.3303



48.1465, 0.3081, 0.3237



# Rectangle

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



48.1465, 0.3170, 0.3277



48.1465, 0.3190, 0.3323



48.1465, 0.3085, 0.3303



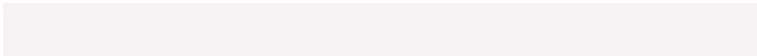
48.1465, 0.3065, 0.3257

# Sweetspot

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



48.1486, 0.3170, 0.3277



89.5478, 0.3141, 0.3286



48.2207, 0.3121, 0.3214



19.2744, 0.3140, 0.3286



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

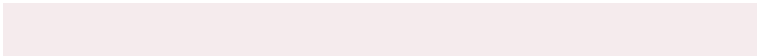


# Same Dimension

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



48.1486, 0.3170, 0.3277



84.8939, 0.3182, 0.3273



48.8951, 0.3177, 0.3314



10.3944, 0.3191, 0.3271



7.3588, 0.6123, 0.3147



0.2966, 0.5512, 0.2810

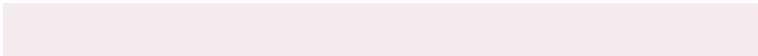


# Inverse Universe

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



48.1486, 0.3170, 0.3277



84.8939, 0.3182, 0.3273



49.3261, 0.3079, 0.3266



10.3944, 0.3191, 0.3271



7.3588, 0.6123, 0.3147

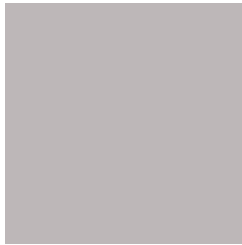


0.2966, 0.5512, 0.2810



# Previews

## White Background



This preview shows how the Yxy color 48.1465, 0.3170, 0.3277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

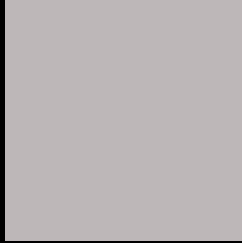
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.1465, 0.3170, 0.3277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

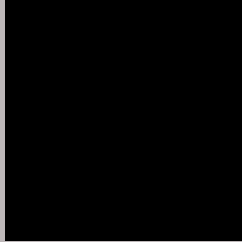
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.1465, 0.3170, 0.3277**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.1465, 0.3170, 0.3277.

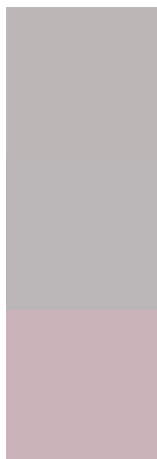


This preview shows how white text looks on a background with the Yxy color 48.1465, 0.3170, 0.3277.

# 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

48.1465, 0.3170, 0.3277

### Protanopia

47.8925, 0.3153, 0.3277

### Deuteranopia

48.2995, 0.3279, 0.3217



## Tritanopia

48.0642, 0.3102, 0.3115

# Trichromacy



## Original Color

48.1465, 0.3170, 0.3277

## Protanomaly

48.0190, 0.3162, 0.3277

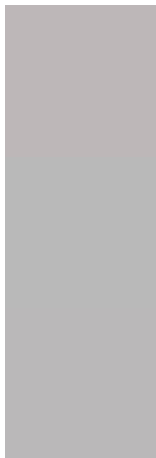
## Deuteranomaly

48.0156, 0.3234, 0.3228

## Tritanomaly

48.1646, 0.3124, 0.3177

# Monochromacy



## Original Color

48.1465, 0.3170, 0.3277

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.2229, 0.3136, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1465, 0.3170, 0.3277 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(189, 183, 184)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 184)  
}
```

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(189, 183, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1465, 0.3170, 0.3277 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(189, 183, 184) }
```

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

```
.border{ border-color:rgb(189, 183, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 184);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1465, 0.3170, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 184) }
```

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

```
.background{ background-color: rgb(189,  
183, 184) }
```

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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