

# Converting Colors

Yxy(48.7922, 0.3145, 0.3163)

Have a look what the booklet for  
Yxy(48.7922, 0.3145, 0.3163)  
contains.

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# Color

**Yxy(48.7310, 0.3150, 0.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2B6C0
RGB	194, 182, 192
RGB Percent	76%, 71%, 75%
CMY	0.2393, 0.2862, 0.2472
CMYK	0.00, 0.06, 0.01, 0.24
HSL	310°, 9%, 74%
HSV	310°, 6%, 76%
XYZ	48.4847, 48.7310, 56.7040
YIQ	186.7280, 3.9420, 5.6540

# Conversions

## Conversions Part 2

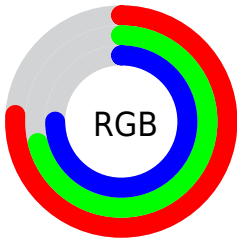
Format	Color
R <sub>Y</sub> B	194, 182, 192
Decimal	12760768
CIE Lab	75.28, 6.04, -3.52
CIE LCh	75, 6.996, 329.757
Yxy	48.7310, 0.3150, 0.3166
Android (android.graphics.Color)	4290950848 (0xFFC2B6C0)
YUV	186.7280, 2.5991, 6.3775
Hunter-Lab	69.8076, 1.8135, 0.7046

# Details

The Yxy color **48.7310, 0.3150, 0.3166** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.9846, 0.3105, 0.3417**, and the grayscale version is **49.5155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2504, 0.3145, 0.3192**, and **23.1400, 0.3147, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **41.1869, 0.3191, 0.2959**, and if you desaturate by 10%, it is **57.3832, 0.3114, 0.3365**.

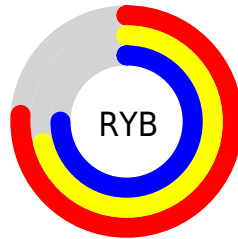
# Distribution



Red (76%)

Green (71%)

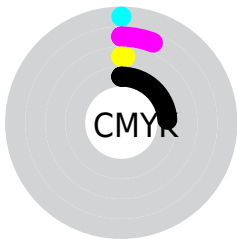
Blue (75%)



Red (76%)

Yellow (71%)

Blue (75%)

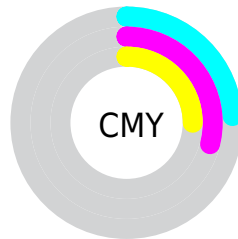


Cyan (0%)

Magenta (6%)

Yellow (1%)

Black (24%)



Cyan (24%)

Magenta (29%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7310, 0.3150, 0.3166 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 48.7310, 0.3150, 0.3166 by changing the saturation by 10% instead.





 48.7310, 0.3150,  
0.3166

 48.7310, 0.3150,  
0.3166

381.6824, 0.3139,  
0.3227

 34.4061, 0.3153,  
0.3151


 88.2918, 0.3146,  
0.3188

 23.2058, 0.3156,  
0.3132


114.2965, 0.3145,  
0.3196

 14.7455, 0.3160,  
0.3107


144.9633, 0.3143,  
0.3203

 8.6410, 0.3166,  
0.3072

180.6766, 0.3142,  
0.3209

 4.5078, 0.3175,  
0.3022

221.8208, 0.3141,  
0.3215

 1.9615, 0.3188,  
0.2941

268.7802, 0.3140,

 0.5849, 0.3239,

0.3219

0.2693

321.9392, 0.3140,  
0.3223

0.0000, 0.0000,  
0.0000

48.7310, 0.3150,  
0.3166

48.7310, 0.3150,  
0.3166

41.1869, 0.3191,  
0.2959

57.3832, 0.3114,  
0.3365

34.6995, 0.3239,  
0.2747

67.1795, 0.3083,  
0.3553

29.2228, 0.3291,  
0.2538

78.1621, 0.3057,  
0.3728

24.7051, 0.3349,  
0.2340

87.3949, 0.3035,  
0.3843

21.0900, 0.3411,  
0.2160

87.5538, 0.3018,  
0.3806

■ 18.3151, 0.3476,  
0.2011

■ 87.7160, 0.3000,  
0.3769

■ 16.3101, 0.3540,  
0.1899

■ 87.8815, 0.2982,  
0.3731

■ 14.9935, 0.3604,  
0.1831

■ 88.0504, 0.2965,  
0.3694

■ 14.2609, 0.3664,  
0.1808

■ 88.2226, 0.2947,  
0.3658

# Harmonies

## Analogous

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



48.7310, 0.3054, 0.3129



48.7310, 0.3150, 0.3166



48.7310, 0.3241, 0.3235

# Triad

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



48.7310, 0.3150, 0.3166



48.7310, 0.3277, 0.3447



48.7310, 0.2955, 0.3258

# Complementary

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



48.7310, 0.3150, 0.3166



51.9846, 0.3105, 0.3417

# 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.



48.7310, 0.3013, 0.3346



48.7310, 0.3150, 0.3166



48.7310, 0.3199, 0.3456

# Square

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



48.7310, 0.3150, 0.3166



48.7310, 0.3316, 0.3396



48.7310, 0.3102, 0.3419



48.7310, 0.2942, 0.3180



# Rectangle

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



48.7310, 0.3150, 0.3166



48.7310, 0.3287, 0.3290



48.7310, 0.3102, 0.3419



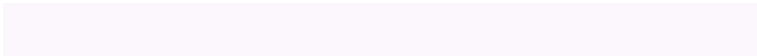
48.7310, 0.2970, 0.3287

# Sweetspot

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



48.7331, 0.3150, 0.3166



94.5497, 0.3134, 0.3250



47.5470, 0.3051, 0.3137



20.7393, 0.3134, 0.3252



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.



48.7331, 0.3150, 0.3166



86.9392, 0.3154, 0.3147



48.4738, 0.3198, 0.3240



10.5425, 0.3155, 0.3139



9.2532, 0.3679, 0.1801



0.4077, 0.3558, 0.1734



# Inverse Universe

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



48.7331, 0.3150, 0.3166



86.9392, 0.3154, 0.3147



52.2403, 0.3061, 0.3340



10.5425, 0.3155, 0.3139



9.2532, 0.3679, 0.1801

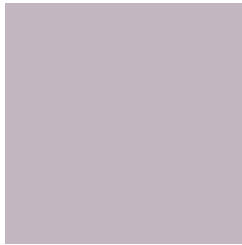


0.4077, 0.3558, 0.1734



# Previews

## White Background



This preview shows how the Yxy color 48.7310, 0.3150, 0.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

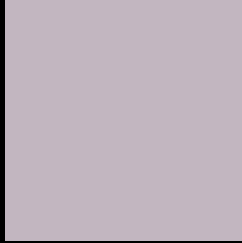
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7310, 0.3150, 0.3166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

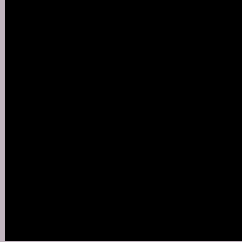
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

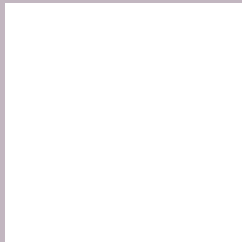
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.7310, 0.3150, 0.3166**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.7310, 0.3150, 0.3166.



This preview shows how white text looks on a background with the Yxy color 48.7310, 0.3150, 0.3166.

# 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

48.7310, 0.3150, 0.3166

### Protanopia

48.5703, 0.3074, 0.3176

### Deuteranopia

48.7276, 0.3203, 0.3143



## Tritanopia

48.6354, 0.3127, 0.3105

# Trichromacy



## Original Color

48.7310, 0.3150, 0.3166

## Protanomaly

48.5360, 0.3100, 0.3164

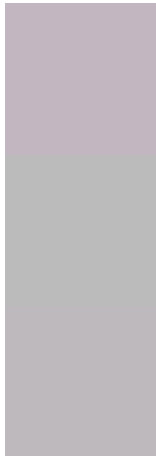
## Deuteranomaly

48.8593, 0.3185, 0.3155

## Tritanomaly

48.5900, 0.3135, 0.3117

# Monochromacy



## Original Color

48.7310, 0.3150, 0.3166

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.3192, 0.3138, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7310, 0.3150, 0.3166 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, 182, 192)` looks like.

```
.text, #text, p{  
    color:rgb(194, 182, 192)  
}
```

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, 182, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 182, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7310, 0.3150, 0.3166 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, 182, 192) }
```

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

```
.border{ border-color:rgb(194, 182, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 182, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 182, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 182, 192);  
box-shadow:4px 4px 4px 4px rgb(194, 182,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7310, 0.3150, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 182, 192) }
```

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

```
.background{ background-color: rgb(194,  
182, 192) }
```

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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