

# Converting Colors

$Y_{xy}(48.2146, 0.3113, 0.3267)$

Have a look what the booklet for  
Yxy(48.2146, 0.3113, 0.3267)  
contains.

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# Color

**Yxy(48.0165, 0.3112, 0.3264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8B8BA
RGB	184, 184, 186
RGB Percent	72%, 72%, 73%
CMY	0.2782, 0.2785, 0.2706
CMYK	0.01, 0.01, 0.00, 0.27
HSL	242°, 1%, 73%
HSV	242°, 1%, 73%
XYZ	45.7804, 48.0165, 53.3124
YIQ	184.2280, -0.6420, 0.6220

# Conversions

## Conversions Part 2

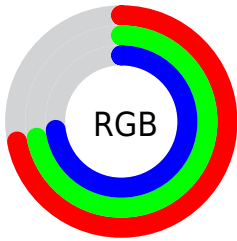
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 184, 186
Decimal	12105914
CIELab	74.84, 0.41, -1.02
CIELCh	75, 1.100, 291.668
Yxy	48.0165, 0.3112, 0.3264
Android (android.graphics.Color)	4290295994 (0xFFB8B8BA)
YUV	184.2280, 0.8736, -0.2000
Hunter-Lab	69.2939, -3.3348, 2.8900

# Details

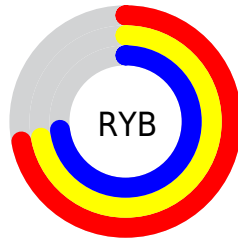
The Yxy color **48.0165, 0.3112, 0.3264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0123, 0.3142, 0.3316**, and the grayscale version is **48.0657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2562, 0.3115, 0.3270**, and **22.7513, 0.3106, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **38.7095, 0.2961, 0.3006**, and if you desaturate by 10%, it is **58.6263, 0.3243, 0.3489**.

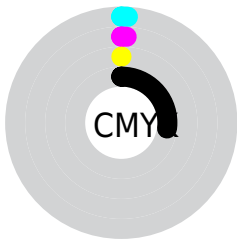
# Distribution



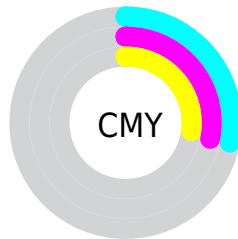
- Red (72%)
- Green (72%)
- Blue (73%)



- Red (72%)
- Yellow (72%)
- Blue (73%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (27%)



- Cyan (28%)
- Magenta (28%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0165, 0.3112, 0.3264 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 48.0165, 0.3112, 0.3264 by changing the saturation by 10% instead.



■ 48.0165, 0.3112,  
0.3264

■ 48.0165, 0.3112,  
0.3264

378.8575, 0.3120,  
0.3277

■ 33.8400, 0.3110,  
0.3261

■ 87.2290, 0.3115,  
0.3269

■ 22.7707, 0.3108,  
0.3257

113.0337, 0.3116,  
0.3271

■ 14.4243, 0.3104,  
0.3251

143.4832, 0.3117,  
0.3272

■ 8.4163, 0.3100,  
0.3243

178.9620, 0.3117,  
0.3273

■ 4.3625, 0.3093,  
0.3232

219.8545, 0.3118,  
0.3274

■ 1.8783, 0.3082,  
0.3213

266.5449, 0.3119,

■ 0.5353, 0.3036,

0.3275

0.3133

319.4178, 0.3119,  
0.3276

0.0000, 0.0000,  
0.0000

48.0165, 0.3112,  
0.3264

48.0165, 0.3112,  
0.3264

38.7095, 0.2961,  
0.3006

58.6263, 0.3243,  
0.3489

30.6492, 0.2790,  
0.2716

70.5800, 0.3356,  
0.3684

23.7845, 0.2601,  
0.2395

83.9243, 0.3453,  
0.3852

18.0586, 0.2397,  
0.2053

96.3254, 0.3538,  
0.3969

13.4098, 0.2187,  
0.1702

■ 9.7708, 0.1984,  
0.1365

■ 7.0666, 0.1802,  
0.1068

■ 5.2118, 0.1656,  
0.0834

■ 4.1056, 0.1559,  
0.0681

# Harmonies

## Analogous

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



48.0165, 0.3101, 0.3267



48.0165, 0.3112, 0.3264



48.0165, 0.3127, 0.3268

# Triad

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



48.0165, 0.3112, 0.3264



48.0165, 0.3157, 0.3304



48.0165, 0.3113, 0.3302

# Complementary

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



48.0165, 0.3112, 0.3264



49.0123, 0.3142, 0.3316

# 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.



48.0165, 0.3128, 0.3313



48.0165, 0.3112, 0.3264



48.0165, 0.3153, 0.3314

# Square

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



48.0165, 0.3112, 0.3264



48.0165, 0.3153, 0.3291



48.0165, 0.3143, 0.3317



48.0165, 0.3102, 0.3289



# Rectangle

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



48.0165, 0.3112, 0.3264



48.0165, 0.3137, 0.3274



48.0165, 0.3143, 0.3317



48.0165, 0.3117, 0.3306

# Sweetspot

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



48.0186, 0.3112, 0.3264



89.0005, 0.3127, 0.3290



48.8407, 0.3110, 0.3290



19.5994, 0.3127, 0.3290



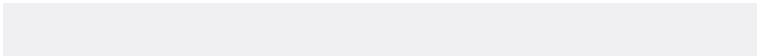
95.5105, 0.3127, 0.3290

# Same Dimension

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



48.0186, 0.3112, 0.3264



87.1535, 0.3113, 0.3266



48.1396, 0.3120, 0.3264



10.4509, 0.3114, 0.3268



2.4179, 0.1512, 0.0607



0.0900, 0.1562, 0.0634

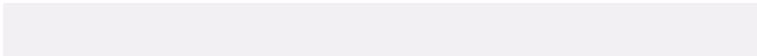


# Inverse Universe

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



48.2586, 0.3129, 0.3265



87.5612, 0.3129, 0.3267



48.8905, 0.3134, 0.3316



10.4957, 0.3129, 0.3269



9.2399, 0.3292, 0.1587

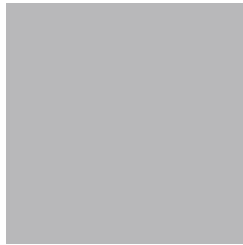


0.3273, 0.3269, 0.1574



# Previews

## White Background



This preview shows how the Yxy color 48.0165, 0.3112, 0.3264 looks on a white background.

## Color Contrast Check

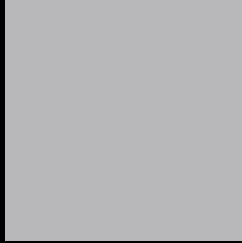
Large Text (above 18pt) WCAG AA × Fail

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 48.0165, 0.3112, 0.3264 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

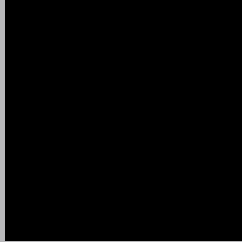
Any Text WCAG AAA ✓ Pass

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

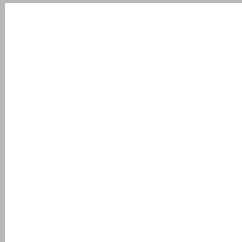


**Yxy 48.0165, 0.3112, 0.3264**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.0165, 0.3112, 0.3264.

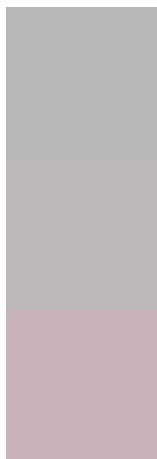


This preview shows how white text looks on a background with the Yxy color 48.0165, 0.3112, 0.3264.

# 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

48.0165, 0.3112, 0.3264

### Protanopia

47.9769, 0.3137, 0.3252

### Deuteranopia

47.7080, 0.3246, 0.3179



## Tritanopia

47.9262, 0.3044, 0.3100

# Trichromacy



## Original Color

48.0165, 0.3112, 0.3264

## Protanomaly

47.8512, 0.3129, 0.3252

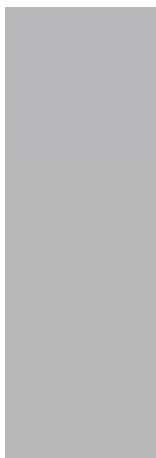
## Deuteranomaly

47.6997, 0.3192, 0.3202

## Tritanomaly

48.0315, 0.3066, 0.3163

# Monochromacy



## Original Color

48.0165, 0.3112, 0.3264

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.9741, 0.3119, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0165, 0.3112, 0.3264 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(184, 184, 186)` looks like.

```
.text, #text, p{  
    color:rgb(184, 184, 186)  
}
```

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(184, 184, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 184, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0165, 0.3112, 0.3264 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(184, 184, 186) }
```

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

```
.border{ border-color:rgb(184, 184, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 184, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 184, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 184, 186);  
box-shadow:4px 4px 4px 4px rgb(184, 184,  
186) }
```

# Background

The CSS property to change the background color of an element to Yxy 48.0165, 0.3112, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 184, 186) }
```

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

```
.background{ background-color: rgb(184,  
184, 186) }
```

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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