

# Converting Colors

$Yxy(46.9981, 0.3256, 0.3177)$

Have a look what the booklet for  
Yxy(46.9981, 0.3256, 0.3177)  
contains.

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# Color

**Yxy(46.8752, 0.3256, 0.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8B0BA
RGB	200, 176, 186
RGB Percent	78%, 69%, 73%
CMY	0.2157, 0.3098, 0.2705
CMYK	0.00, 0.12, 0.07, 0.22
HSL	335°, 18%, 74%
HSV	335°, 12%, 78%
XYZ	48.2077, 46.8752, 52.9752
YIQ	184.3160, 11.0940, 8.1980

# Conversions

## Conversions Part 2

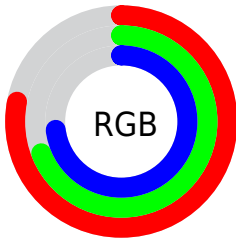
Format	Color
R <sub>Y</sub> B	200, 176, 186
Decimal	13152442
CIE Lab	74.11, 10.34, -1.94
CIE LCh	74, 10.522, 349.374
Yxy	46.8752, 0.3256, 0.3166
Android (android.graphics.Color)	4291342522 (0xFFC8B0BA)
YUV	184.3160, 0.8302, 13.7549
Hunter-Lab	68.4655, 5.8704, 2.0502

# Details

The Yxy color  $46.8752, 0.3256, 0.3166$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $54.2514, 0.3014, 0.3417$ , and the grayscale version is  $48.1085, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.3840, 0.3220, 0.3192$ , and  $21.9704, 0.3294, 0.3123$  is the 20% darker color. If you saturate the color by 10%, you get  $39.1282, 0.3389, 0.3056$ , and if you desaturate by 10%, it is  $55.8221, 0.3147, 0.3270$ .

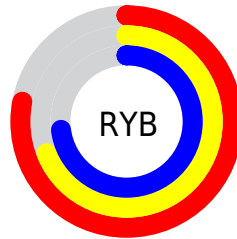
# Distribution



Red (78%)

Green (69%)

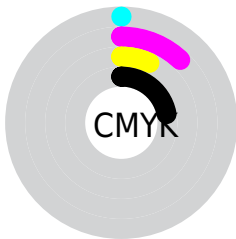
Blue (73%)



Red (78%)

Yellow (69%)

Blue (73%)

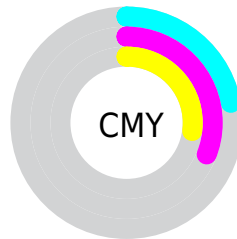


Cyan (0%)

Magenta (12%)

Yellow (7%)

Black (22%)



Cyan (22%)

Magenta (31%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8752, 0.3256, 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 46.8752, 0.3256, 0.3166 by changing the saturation by 10% instead.





 46.8752, 0.3256,  
0.3166

 46.8752, 0.3256,  
0.3166

374.3162, 0.3192,  
0.3228

 32.9370, 0.3272,  
0.3151


 85.5273, 0.3233,  
0.3188

 22.0782, 0.3292,  
0.3131


111.0100, 0.3224,  
0.3197

 13.9144, 0.3319,  
0.3106


141.1097, 0.3217,  
0.3204

 8.0611, 0.3357,  
0.3070

176.2107, 0.3210,  
0.3210

 4.1341, 0.3414,  
0.3017

216.6974, 0.3205,  
0.3215

 1.7489, 0.3506,  
0.2931

262.9543, 0.3200,

 0.4550, 0.3867,

0.3220

0.2569

315.3658, 0.3196,  
0.3224

0.0000, 0.0000,  
0.0000

46.8752, 0.3256,  
0.3166

46.8752, 0.3256,  
0.3166

39.1282, 0.3389,  
0.3056

55.8221, 0.3147,  
0.3270

32.5235, 0.3549,  
0.2944

66.0108, 0.3057,  
0.3367

27.0082, 0.3741,  
0.2834

77.4889, 0.2983,  
0.3457

22.5228, 0.3966,  
0.2732

89.6585, 0.2922,  
0.3529

19.0018, 0.4223,  
0.2650

90.3447, 0.2860,  
0.3403

■ 16.3723, 0.4507,  
0.2599

■ 91.0181, 0.2805,  
0.3289

■ 14.5506, 0.4804,  
0.2592

■ 13.4371, 0.5097,  
0.2637

■ 12.9111, 0.5318,  
0.2703

# Harmonies

## Analogous

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



46.8752, 0.3109, 0.3077



46.8752, 0.3256, 0.3166



46.8752, 0.3370, 0.3287

# Triad

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



46.8752, 0.3256, 0.3166



46.8752, 0.3282, 0.3548



46.8752, 0.2846, 0.3158

# Complementary

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



46.8752, 0.3256, 0.3166



54.2514, 0.3014, 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.



46.8752, 0.2890, 0.3286



46.8752, 0.3256, 0.3166



46.8752, 0.3140, 0.3516

# Square

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



46.8752, 0.3256, 0.3166



46.8752, 0.3385, 0.3508



46.8752, 0.2997, 0.3419



46.8752, 0.2874, 0.3070



# Rectangle

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



46.8752, 0.3256, 0.3166



46.8752, 0.3410, 0.3372



46.8752, 0.2997, 0.3419



46.8752, 0.2852, 0.3198

# Sweetspot

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



46.8773, 0.3256, 0.3166



93.2872, 0.3167, 0.3249



46.1180, 0.3052, 0.2990



19.7055, 0.3175, 0.3241



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.



46.8773, 0.3256, 0.3166



78.0326, 0.3283, 0.3142



47.0966, 0.3339, 0.3311



10.7092, 0.3225, 0.3194



8.2272, 0.5283, 0.2684



0.4039, 0.4747, 0.2389



# Inverse Universe

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



46.8773, 0.3256, 0.3166



78.0326, 0.3283, 0.3142



53.9679, 0.2945, 0.3269



10.7092, 0.3225, 0.3194



8.2272, 0.5283, 0.2684

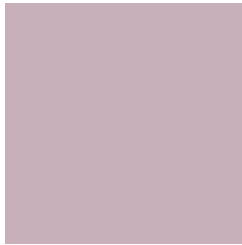


0.4039, 0.4747, 0.2389



# Previews

## White Background



This preview shows how the Yxy color 46.8752, 0.3256, 0.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

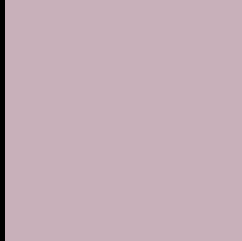
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8752, 0.3256, 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 46.8752, 0.3256, 0.3166**

## Background



This preview shows how black text looks on a background with the Yxy color 46.8752, 0.3256, 0.3166.



This preview shows how white text looks on a background with the Yxy color 46.8752, 0.3256, 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

46.8752, 0.3256, 0.3166

### Protanopia

46.9122, 0.3090, 0.3187

### Deuteranopia

46.9952, 0.3238, 0.3178



## Tritanopia

46.6134, 0.3232, 0.3117

# Trichromacy



## Original Color

46.8752, 0.3256, 0.3166

## Protanomaly

46.8182, 0.3150, 0.3176

## Deuteranomaly

47.1316, 0.3246, 0.3178

## Tritanomaly

46.5701, 0.3241, 0.3129

# Monochromacy



## Original Color

46.8752, 0.3256, 0.3166

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.4977, 0.3172, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8752, 0.3256, 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(200, 176, 186)` looks like.

```
.text, #text, p{  
    color:rgb(200, 176, 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(200, 176, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 176, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8752, 0.3256, 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(200, 176, 186) }
```

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

```
.border{ border-color:rgb(200, 176, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 176, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 176, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 176, 186);  
box-shadow:4px 4px 4px 4px rgb(200, 176,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8752, 0.3256, 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(200, 176, 186) }
```

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

```
.background{ background-color: rgb(200,  
176, 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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