

# Converting Colors

$Yxy(48.7217, 0.3275, 0.3366)$

Have a look what the booklet for  
Yxy(48.7217, 0.3275, 0.3366)  
contains.

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# Color

**Yxy(48.6434, 0.3278, 0.3366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3B7B1
RGB	195, 183, 177
RGB Percent	76%, 72%, 69%
CMY	0.2354, 0.2823, 0.3058
CMYK	0.00, 0.06, 0.09, 0.24
HSL	20°, 13%, 73%
HSV	20°, 9%, 76%
XYZ	47.3717, 48.6434, 48.4989
YIQ	185.9040, 9.0780, 0.6780

# Conversions

## Conversions Part 2

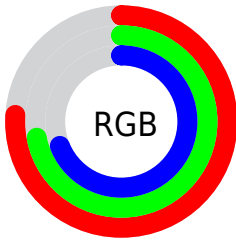
Format	Color
<a href="#">RYB</a>	<a href="#">195, 186, 177</a>
Decimal	<a href="#">12826545</a>
CIELab	<a href="#">75.23, 3.20, 4.55</a>
CIElCh	<a href="#">75, 5.563, 54.895</a>
Yxy	<a href="#">48.6434, 0.3278, 0.3366</a>
Android (android.graphics.Color)	<a href="#">4291016625 (0xFFC3B7B1)</a>
YUV	<a href="#">185.9040, -4.3897, 7.9772</a>
Hunter-Lab	<a href="#">69.7448, -0.8137, 7.5925</a>

# Details

The Yxy color **48.6434, 0.3278, 0.3366** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.6784, 0.2986, 0.3213**, and the grayscale version is **49.0676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3116, 0.3251, 0.3350**, and **23.0832, 0.3323, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **42.8069, 0.3470, 0.3454**, and if you desaturate by 10%, it is **55.0901, 0.3115, 0.3284**.

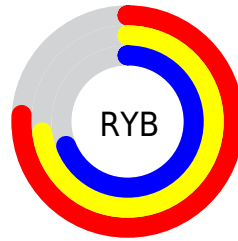
# Distribution



Red (76%)

Green (72%)

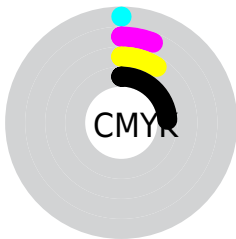
Blue (69%)



Red (76%)

Yellow (73%)

Blue (69%)

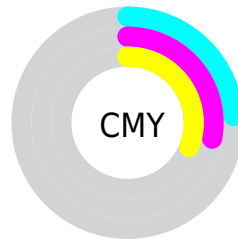


Cyan (0%)

Magenta (6%)

Yellow (9%)

Black (24%)



Cyan (24%)

Magenta (28%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6434, 0.3278, 0.3366 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 48.6434, 0.3278, 0.3366 by changing the saturation by 10% instead.





 48.6434, 0.3278,  
0.3366

 48.6434, 0.3278,  
0.3366


381.3368, 0.3203,  
0.3329

 34.3367, 0.3297,  
0.3375


 88.1616, 0.3251,  
0.3353

 23.1524, 0.3321,  
0.3387


114.1419, 0.3241,  
0.3348

 14.7061, 0.3353,  
0.3402


144.7821, 0.3232,  
0.3343

 8.6134, 0.3397,  
0.3423

180.4667, 0.3224,  
0.3340

 4.4899, 0.3463,  
0.3454

221.5801, 0.3218,  
0.3336

 1.9512, 0.3572,  
0.3502

268.5066, 0.3212,


 0.5789, 0.4135,


0.3333


0.3810


321.6307, 0.3207,  
0.3331


 0.0000, 0.0000,  
0.0000


 48.6434, 0.3278,  
0.3366

 48.6434, 0.3278,  
0.3366

 42.8069, 0.3470,  
0.3454

 55.0901, 0.3115,  
0.3284

 37.5563, 0.3695,  
0.3545


 62.1580, 0.2977,  
0.3208

 32.8748, 0.3957,  
0.3636

 69.8656, 0.2860,  
0.3138

 28.7423, 0.4256,  
0.3721

 78.2279, 0.2761,  
0.3074

 25.1377, 0.4587,  
0.3792

 85.9418, 0.2772,  
0.3215

■ 22.0382, 0.4939,  
0.3836

■ 90.3387, 0.2778,  
0.3289

■ 19.4192, 0.5288,  
0.3842

■ 17.2536, 0.5604,  
0.3801

■ 15.5062, 0.5864,  
0.3717

# Harmonies

## Analogous

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



48.6434, 0.3261, 0.3302



48.6434, 0.3278, 0.3366



48.6434, 0.3254, 0.3411

# Triad

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



48.6434, 0.3278, 0.3366



48.6434, 0.3047, 0.3345



48.6434, 0.3057, 0.3160

# Complementary

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



48.6434, 0.3278, 0.3366



49.6784, 0.2986, 0.3213

# 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.



48.6434, 0.3001, 0.3170



48.6434, 0.3278, 0.3366



48.6434, 0.2995, 0.3276

# Square

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



48.6434, 0.3278, 0.3366



48.6434, 0.3120, 0.3400



48.6434, 0.2979, 0.3212



48.6434, 0.3133, 0.3184



# Rectangle

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



48.6434, 0.3278, 0.3366



48.6434, 0.3218, 0.3423



48.6434, 0.2979, 0.3212



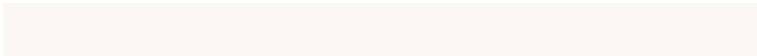
48.6434, 0.3036, 0.3159

# Sweetspot

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



48.6455, 0.3278, 0.3366



94.1327, 0.3175, 0.3315



46.7260, 0.3186, 0.3140



20.4063, 0.3188, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

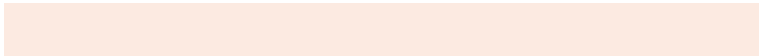


# Same Dimension

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



48.6455, 0.3278, 0.3366



85.0117, 0.3313, 0.3383



52.4656, 0.3266, 0.3477



10.6146, 0.3281, 0.3367



10.1407, 0.5859, 0.3730



0.5665, 0.5418, 0.4080



# Inverse Universe

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



49.6784, 0.2986, 0.3213



87.2264, 0.2956, 0.3195



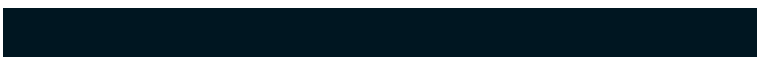
45.9375, 0.2986, 0.3096



10.8440, 0.2984, 0.3211



13.0897, 0.1937, 0.2173



0.6880, 0.2014, 0.2452



# Previews

## White Background



This preview shows how the Yxy color 48.6434, 0.3278, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

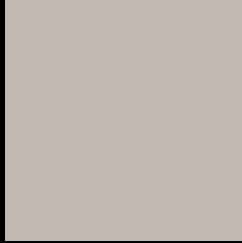
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.6434, 0.3278, 0.3366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

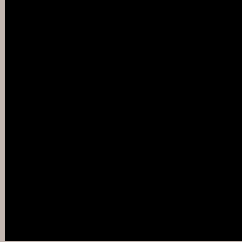
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.6434, 0.3278, 0.3366**

## Background



This preview shows how black text looks on a background with the Yxy color 48.6434, 0.3278, 0.3366.

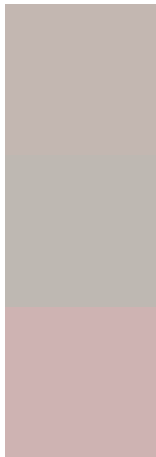


This preview shows how white text looks on a background with the Yxy color 48.6434, 0.3278, 0.3366.

# 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

48.6434, 0.3278, 0.3366

### Protanopia

48.4425, 0.3226, 0.3367

### Deuteranopia

48.5764, 0.3373, 0.3303



## Tritanopia

48.4530, 0.3153, 0.3105

# Trichromacy



## Original Color

48.6434, 0.3278, 0.3366

## Protanomaly

48.7018, 0.3243, 0.3367

## Deuteranomaly

48.4134, 0.3336, 0.3315

## Tritanomaly

48.4143, 0.3200, 0.3203

# Monochromacy



## Original Color

48.6434, 0.3278, 0.3366

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.9356, 0.3176, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6434, 0.3278, 0.3366 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(195, 183, 177)` looks like.

```
.text, #text, p{  
    color:rgb(195, 183, 177)  
}
```

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(195, 183, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 183, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6434, 0.3278, 0.3366 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(195, 183, 177) }
```

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

```
.border{ border-color:rgb(195, 183, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 183, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 183, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 183, 177);  
box-shadow:4px 4px 4px 4px rgb(195, 183,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6434, 0.3278, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 183, 177) }
```

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

```
.background{ background-color: rgb(195,  
183, 177) }
```

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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