

# Converting Colors

$Y_{xy}(47.8789, 0.3242, 0.3273)$

Have a look what the booklet for  
Yxy(47.8789, 0.3242, 0.3273)  
contains.

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# Color

**Yxy(48.0272, 0.3240, 0.3278)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C3B5B6
RGB	195, 181, 182
RGB Percent	76%, 71%, 71%
CMY	0.2353, 0.2902, 0.2863
CMYK	0.00, 0.07, 0.07, 0.24
HSL	356°, 10%, 74%
HSV	356°, 7%, 76%
XYZ	47.4704, 48.0272, 51.0161
YIQ	185.3000, 8.0230, 3.2790

# Conversions

## Conversions Part 2

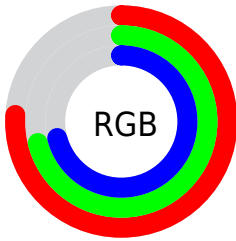
Format	Color
R <sub>Y</sub> B	195, 181, 182
Decimal	12826038
CIE Lab	74.84, 5.14, 1.29
CIE LCh	75, 5.300, 14.040
Yxy	48.0272, 0.3240, 0.3278
Android (android.graphics.Color)	4291016118 (0xFFC3B5B6)
YUV	185.3000, -1.6269, 8.5069
Hunter-Lab	69.3017, 0.9915, 4.8651

# Details

The Yxy color  $48.0272, 0.3240, 0.3278$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $52.7481, 0.3024, 0.3302$ , and the grayscale version is  $48.6975, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.4369, 0.3221, 0.3280$ , and  $22.6860, 0.3270, 0.3273$  is the 20% darker color. If you saturate the color by 10%, you get  $39.9442, 0.3430, 0.3260$ , and if you desaturate by 10%, it is  $57.3213, 0.3087, 0.3295$ .

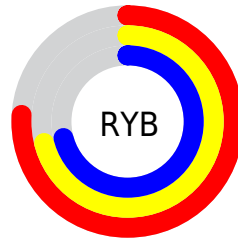
# Distribution



Red (76%)

Green (71%)

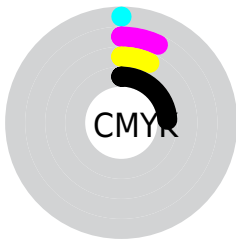
Blue (71%)



Red (76%)

Yellow (71%)

Blue (71%)

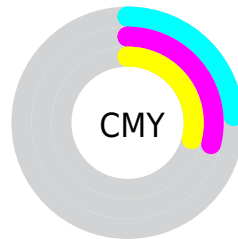


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (24%)



Cyan (24%)

Magenta (29%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0272, 0.3240, 0.3278 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 48.0272, 0.3240, 0.3278 by changing the saturation by 10% instead.




 48.0272, 0.3240,  
0.3278

 48.0272, 0.3240,  
0.3278


378.8999, 0.3184,  
0.3284

 33.8484, 0.3254,  
0.3276


 87.2449, 0.3220,  
0.3280

 22.7772, 0.3272,  
0.3274

113.0526, 0.3212,  
0.3281

 14.4291, 0.3296,  
0.3271


143.5054, 0.3205,  
0.3282

 8.4197, 0.3329,  
0.3267

178.9878, 0.3200,  
0.3283

 4.3647, 0.3379,  
0.3261

219.8840, 0.3195,  
0.3283

 1.8796, 0.3462,  
0.3250

266.5785, 0.3191,

 0.5360, 0.3814,

0.3284

0.3220

319.4557, 0.3187,  
0.3284

0.0000, 0.0000,  
0.0000

48.0272, 0.3240,  
0.3278

48.0272, 0.3240,  
0.3278

39.9442, 0.3430,  
0.3260

57.3213, 0.3087,  
0.3295

33.0166, 0.3667,  
0.3242

67.8670, 0.2964,  
0.3310

27.1934, 0.3959,  
0.3224

79.7104, 0.2865,  
0.3323

22.4176, 0.4313,  
0.3208

90.3111, 0.2781,  
0.3294

18.6270, 0.4725,  
0.3196

90.3413, 0.2778,  
0.3289

■ 15.7528, 0.5179,  
0.3194

■ 13.7173, 0.5631,  
0.3203

■ 12.4301, 0.6017,  
0.3226

■ 11.7672, 0.6278,  
0.3257

# Harmonies

## Analogous

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



48.0272, 0.3180, 0.3218



48.0272, 0.3240, 0.3278



48.0272, 0.3270, 0.3342

# Triad

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



48.0272, 0.3240, 0.3278



48.0272, 0.3148, 0.3407



48.0272, 0.2995, 0.3186

# Complementary

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



48.0272, 0.3240, 0.3278



52.7481, 0.3024, 0.3302

# 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.



48.0272, 0.2987, 0.3236



48.0272, 0.3240, 0.3278



48.0272, 0.3074, 0.3364

# Square

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



48.0272, 0.3240, 0.3278



48.0272, 0.3216, 0.3417



48.0272, 0.3016, 0.3301



48.0272, 0.3038, 0.3165



# Rectangle

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



48.0272, 0.3240, 0.3278



48.0272, 0.3269, 0.3378



48.0272, 0.3016, 0.3301



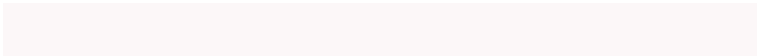
48.0272, 0.2988, 0.3200

# Sweetspot

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



48.0293, 0.3240, 0.3278



94.3087, 0.3157, 0.3287



48.4377, 0.3125, 0.3116



20.6890, 0.3156, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

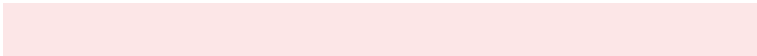


# Same Dimension

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



48.0293, 0.3240, 0.3278



83.0103, 0.3274, 0.3275



50.4088, 0.3241, 0.3363



10.0891, 0.3278, 0.3274



7.5655, 0.6314, 0.3252



0.3309, 0.6014, 0.3087

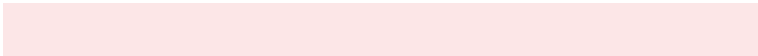


# Inverse Universe

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



48.0293, 0.3240, 0.3278



83.0103, 0.3274, 0.3275



50.2316, 0.3018, 0.3216



10.0891, 0.3278, 0.3274



7.5655, 0.6314, 0.3252

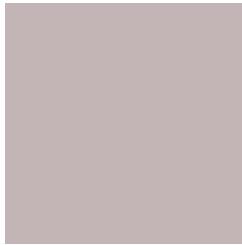


0.3309, 0.6014, 0.3087



# Previews

## White Background



This preview shows how the Yxy color 48.0272, 0.3240, 0.3278 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 48.0272, 0.3240, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

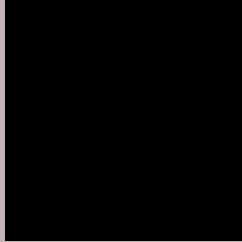
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.0272, 0.3240, 0.3278**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0272, 0.3240, 0.3278.



This preview shows how white text looks on a background with the Yxy color 48.0272, 0.3240, 0.3278.

# 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

48.0272, 0.3240, 0.3278

### Protanopia

47.9772, 0.3170, 0.3290

### Deuteranopia

47.9562, 0.3306, 0.3229



## Tritanopia

47.9608, 0.3170, 0.3117

# Trichromacy



## Original Color

48.0272, 0.3240, 0.3278

## Protanomaly

47.9512, 0.3196, 0.3278

## Deuteranomaly

47.9385, 0.3278, 0.3241

## Tritanomaly

48.0524, 0.3193, 0.3178

# Monochromacy



## Original Color

48.0272, 0.3240, 0.3278

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.5605, 0.3169, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0272, 0.3240, 0.3278 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, 181, 182)` looks like.

```
.text, #text, p{  
    color:rgb(195, 181, 182)  
}
```

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, 181, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 181, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0272, 0.3240, 0.3278 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, 181, 182) }
```

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

```
.border{ border-color:rgb(195, 181, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 181, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 181, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 181, 182);  
box-shadow:4px 4px 4px 4px rgb(195, 181,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0272, 0.3240, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 181, 182) }
```

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

```
.background{ background-color: rgb(195,  
181, 182) }
```

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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