

# Converting Colors

$Y_{xy}(47.7820, 0.3254, 0.3269)$

Have a look what the booklet for  
Yxy(47.7820, 0.3254, 0.3269)  
contains.

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# Color

**Yxy(47.7557, 0.3250, 0.3265)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4B4B6
RGB	196, 180, 182
RGB Percent	77%, 71%, 71%
CMY	0.2313, 0.2941, 0.2862
CMYK	0.00, 0.08, 0.07, 0.23
HSL	352°, 12%, 74%
HSV	352°, 8%, 77%
XYZ	47.5363, 47.7557, 50.9735
YIQ	185.0120, 8.8940, 4.0140

# Conversions

## Conversions Part 2

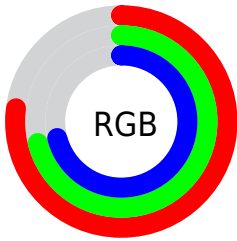
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 180, 182
Decimal	12891318
CIE Lab	74.67, 6.06, 1.03
CIE LCh	75, 6.152, 9.670
Yxy	47.7557, 0.3250, 0.3265
Android (android.graphics.Color)	4291081398 (0xFFC4B4B6)
YUV	185.0120, -1.4849, 9.6365
Hunter-Lab	69.1055, 1.8520, 4.6404

# Details

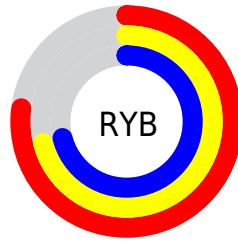
The Yxy color  $47.7557, 0.3250, 0.3265$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $53.0920, 0.3016, 0.3315$ , and the grayscale version is  $48.5307, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.0466, 0.3229, 0.3271$ , and  $22.5145, 0.3284, 0.3256$  is the 20% darker color. If you saturate the color by 10%, you get  $39.7292, 0.3433, 0.3233$ , and if you desaturate by 10%, it is  $56.9924, 0.3103, 0.3295$ .

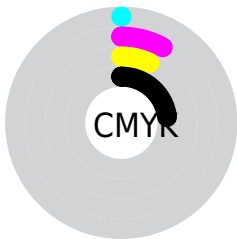
# Distribution



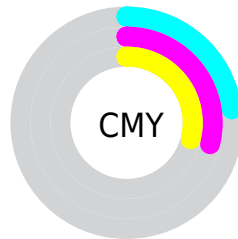
- Red (77%)
- Green (71%)
- Blue (71%)



- Red (77%)
- Yellow (71%)
- Blue (71%)



- Cyan (0%)
- Magenta (8%)
- Yellow (7%)
- Black (23%)




- Cyan (23%)
- Magenta (29%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7557, 0.3250, 0.3265 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 47.7557, 0.3250, 0.3265 by changing the saturation by 10% instead.





 47.7557, 0.3250,  
0.3265

 47.7557, 0.3250,  
0.3265

377.8230, 0.3189,  
0.3278

 33.6335, 0.3265,  
0.3262


 86.8406, 0.3228,  
0.3270

 22.6122, 0.3285,  
0.3258


112.5720, 0.3219,  
0.3271

 14.3074, 0.3311,  
0.3252


142.9419, 0.3212,  
0.3273

 8.3348, 0.3347,  
0.3244

178.3347, 0.3206,  
0.3274

 4.3099, 0.3402,  
0.3232

219.1348, 0.3201,  
0.3275

 1.8484, 0.3492,  
0.3212

265.7267, 0.3196,

 0.5171, 0.3882,

0.3276

0.3139

318.4946, 0.3192,  
0.3277

0.0000, 0.0000,  
0.0000

47.7557, 0.3250,  
0.3265

47.7557, 0.3250,  
0.3265

39.7292, 0.3433,  
0.3233

56.9924, 0.3103,  
0.3295

32.8569, 0.3660,  
0.3199

67.4801, 0.2984,  
0.3323

27.0874, 0.3938,  
0.3165

79.2651, 0.2887,  
0.3348

22.3633, 0.4275,  
0.3136

90.1973, 0.2806,  
0.3336

18.6217, 0.4668,  
0.3114

90.4799, 0.2784,  
0.3289

■ 15.7933, 0.5101,  
0.3106

■ 13.7995, 0.5538,  
0.3120

■ 12.5482, 0.5925,  
0.3156

■ 11.9001, 0.6207,  
0.3209

# Harmonies

## Analogous

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



47.7557, 0.3176, 0.3198



47.7557, 0.3250, 0.3265



47.7557, 0.3291, 0.3340

# Triad

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



47.7557, 0.3250, 0.3265



47.7557, 0.3163, 0.3431



47.7557, 0.2969, 0.3176

# Complementary

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



47.7557, 0.3250, 0.3265



53.0920, 0.3016, 0.3315

# 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.



47.7557, 0.2966, 0.3237



47.7557, 0.3250, 0.3265



47.7557, 0.3077, 0.3385

# Square

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



47.7557, 0.3250, 0.3265



47.7557, 0.3240, 0.3437



47.7557, 0.3006, 0.3314



47.7557, 0.3014, 0.3146



# Rectangle

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



47.7557, 0.3250, 0.3265



47.7557, 0.3294, 0.3384



47.7557, 0.3006, 0.3314



47.7557, 0.2963, 0.3193

# Sweetspot

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



47.7578, 0.3250, 0.3265



96.5052, 0.3156, 0.3284



48.0821, 0.3118, 0.3091



20.6927, 0.3154, 0.3284



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.



47.7578, 0.3250, 0.3265



83.4422, 0.3283, 0.3259



50.0997, 0.3259, 0.3364



10.0981, 0.3270, 0.3261



7.5920, 0.6224, 0.3202



0.3350, 0.5746, 0.2939



# Inverse Universe

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



47.7578, 0.3250, 0.3265



83.4422, 0.3283, 0.3259



50.5817, 0.3002, 0.3215



10.0981, 0.3270, 0.3261



7.5920, 0.6224, 0.3202



0.3350, 0.5746, 0.2939



# Previews

## White Background



This preview shows how the Yxy color 47.7557, 0.3250, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

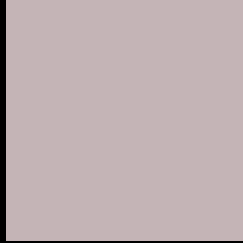
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.7557, 0.3250, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

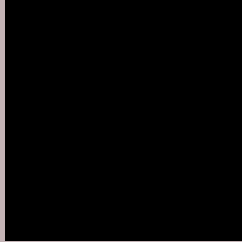
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.7557, 0.3250, 0.3265**

## Background



This preview shows how black text looks on a background with the Yxy color 47.7557, 0.3250, 0.3265.



This preview shows how white text looks on a background with the Yxy color 47.7557, 0.3250, 0.3265.

# 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

47.7557, 0.3250, 0.3265

### Protanopia

47.8925, 0.3153, 0.3277

### Deuteranopia

47.7747, 0.3305, 0.3241



## Tritanopia

47.5169, 0.3178, 0.3117

# Trichromacy



## Original Color

47.7557, 0.3250, 0.3265

## Protanomaly

47.8219, 0.3188, 0.3277

## Deuteranomaly

47.8970, 0.3286, 0.3253

## Tritanomaly

47.7414, 0.3210, 0.3178

# Monochromacy



## Original Color

47.7557, 0.3250, 0.3265

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.1465, 0.3170, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7557, 0.3250, 0.3265 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(196, 180, 182)` looks like.

```
.text, #text, p{  
    color:rgb(196, 180, 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(196, 180, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 180, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7557, 0.3250, 0.3265 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(196, 180, 182) }
```

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

```
.border{ border-color:rgb(196, 180, 182) }
```

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

Here you see how a box with a 4 pixel rgb(196, 180, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 180, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 180, 182);  
box-shadow:4px 4px 4px 4px rgb(196, 180,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7557, 0.3250, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 180, 182) }
```

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

```
.background{ background-color: rgb(196,  
180, 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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