

# Converting Colors

$Yxy(49.8873, 0.3278, 0.3188)$

Have a look what the booklet for  
Yxy(49.8873, 0.3278, 0.3188)  
contains.

<b>Yxy(49.8437, 0.3278, 0.3194)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.8437, 0.3278, 0.3194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEB5BD
RGB	206, 181, 189
RGB Percent	81%, 71%, 74%
CMY	0.1923, 0.2901, 0.2589
CMYK	0.00, 0.12, 0.08, 0.19
HSL	341°, 20%, 76%
HSV	341°, 12%, 81%
XYZ	51.1546, 49.8437, 55.0559
YIQ	189.3870, 12.3320, 7.7880

# Conversions

## Conversions Part 2

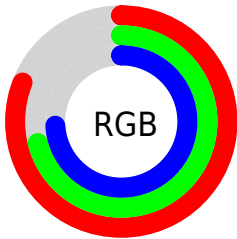
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 181, 189
Decimal	13546941
CIE Lab	75.97, 10.27, -0.76
CIE LCh	76, 10.302, 355.767
Yxy	49.8437, 0.3278, 0.3194
Android (android.graphics.Color)	4291737021 (0xFFCEB5BD)
YUV	189.3870, -0.1908, 14.5696
Hunter-Lab	70.6001, 5.7853, 3.1840

# Details

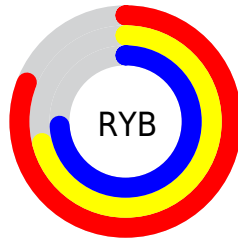
The Yxy color  $49.8437, 0.3278, 0.3194$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $58.0321, 0.2996, 0.3388$ , and the grayscale version is  $51.1167, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.4209, 0.3197, 0.3212$ , and  $23.8913, 0.3322, 0.3161$  is the 20% darker color. If you saturate the color by 10%, you get  $41.4987, 0.3434, 0.3110$ , and if you desaturate by 10%, it is  $59.4903, 0.3151, 0.3274$ .

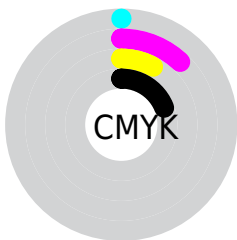
# Distribution



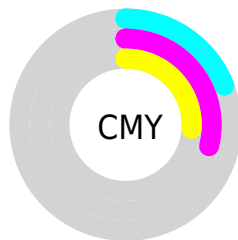
- Red (81%)
- Green (71%)
- Blue (74%)



- Red (81%)
- Yellow (71%)
- Blue (74%)



- Cyan (0%)
- Magenta (12%)
- Yellow (8%)
- Black (19%)




- Cyan (19%)
- Magenta (29%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8437, 0.3278, 0.3194 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 49.8437, 0.3278, 0.3194 by changing the saturation by 10% instead.





 49.8437, 0.3278,  
0.3194

 49.8437, 0.3278,  
0.3194


386.0544, 0.3204,  
0.3241

 35.2892, 0.3296,  
0.3182


 89.9433, 0.3251,  
0.3211

 23.8858, 0.3320,  
0.3168


116.2571, 0.3241,  
0.3218

 15.2489, 0.3351,  
0.3148


147.2596, 0.3232,  
0.3223

 8.9943, 0.3394,  
0.3121

183.3350, 0.3225,  
0.3228

 4.7374, 0.3457,  
0.3081

224.8678, 0.3219,  
0.3232

 2.0940, 0.3559,  
0.3018

272.2424, 0.3213,

 0.6613, 0.3802,

0.3235

0.2857

325.8431, 0.3208,  
0.3239

0.0000, 0.0000,  
0.0000

49.8437, 0.3278,  
0.3194

49.8437, 0.3278,  
0.3194

41.4987, 0.3434,  
0.3110

59.4903, 0.3151,  
0.3274

34.3930, 0.3624,  
0.3023

70.4843, 0.3047,  
0.3348

28.4688, 0.3853,  
0.2938

82.8774, 0.2963,  
0.3416

23.6613, 0.4124,  
0.2862

91.2352, 0.2890,  
0.3393

19.8993, 0.4437,  
0.2804

91.8576, 0.2838,  
0.3289

■ 17.1034, 0.4781,  
0.2775

■ 15.1825, 0.5137,  
0.2787

■ 14.0280, 0.5474,  
0.2848

■ 13.5075, 0.5712,  
0.2920

# Harmonies

## Analogous

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



49.8437, 0.3141, 0.3100



49.8437, 0.3278, 0.3194



49.8437, 0.3376, 0.3314

# Triad

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



49.8437, 0.3278, 0.3194



49.8437, 0.3249, 0.3537



49.8437, 0.2857, 0.3141

# Complementary

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



49.8437, 0.3278, 0.3194



58.0321, 0.2996, 0.3388

# 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.



49.8437, 0.2885, 0.3258



49.8437, 0.3278, 0.3194



49.8437, 0.3109, 0.3491

# Square

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



49.8437, 0.3278, 0.3194



49.8437, 0.3358, 0.3513



49.8437, 0.2976, 0.3388



49.8437, 0.2899, 0.3068



# Rectangle

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



49.8437, 0.3278, 0.3194



49.8437, 0.3404, 0.3393



49.8437, 0.2976, 0.3388



49.8437, 0.2858, 0.3177

# Sweetspot

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



49.8459, 0.3278, 0.3194



93.2245, 0.3173, 0.3259



49.4686, 0.3072, 0.2988



19.6897, 0.3183, 0.3253



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.



49.8459, 0.3278, 0.3194



76.4114, 0.3323, 0.3169



51.2265, 0.3338, 0.3341



11.2717, 0.3241, 0.3216



8.3359, 0.5674, 0.2899



0.4439, 0.5112, 0.2590



# Inverse Universe

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



49.8459, 0.3278, 0.3194



76.4114, 0.3323, 0.3169



56.4335, 0.2942, 0.3238



11.2717, 0.3241, 0.3216



8.3359, 0.5674, 0.2899

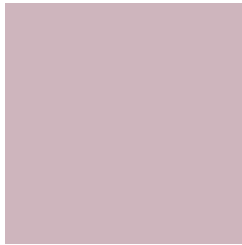


0.4439, 0.5112, 0.2590



# Previews

## White Background



This preview shows how the Yxy color 49.8437, 0.3278, 0.3194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

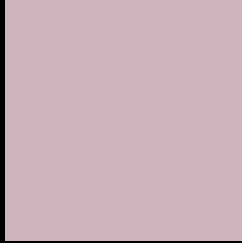
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.8437, 0.3278, 0.3194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

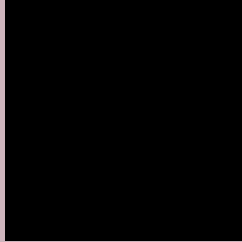
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.8437, 0.3278, 0.3194**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8437, 0.3278, 0.3194.



This preview shows how white text looks on a background with the Yxy color 49.8437, 0.3278, 0.3194.

# 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

49.8437, 0.3278, 0.3194

### Protanopia

49.7424, 0.3106, 0.3215

### Deuteranopia

49.7010, 0.3269, 0.3193



## Tritanopia

49.8030, 0.3247, 0.3122

# Trichromacy



## Original Color

49.8437, 0.3278, 0.3194

## Protanomaly

49.6447, 0.3165, 0.3203

## Deuteranomaly

49.7010, 0.3269, 0.3193

## Tritanomaly

49.7137, 0.3263, 0.3146

# Monochromacy



## Original Color

49.8437, 0.3278, 0.3194

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

50.3940, 0.3179, 0.3253

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8437, 0.3278, 0.3194 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(206, 181, 189)` looks like.

```
.text, #text, p{  
    color:rgb(206, 181, 189)  
}
```

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(206, 181, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 181, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8437, 0.3278, 0.3194 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(206, 181, 189) }
```

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

```
.border{ border-color:rgb(206, 181, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 181, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 181, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 181, 189);  
box-shadow:4px 4px 4px 4px rgb(206, 181,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8437, 0.3278, 0.3194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 181, 189) }
```

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

```
.background{ background-color: rgb(206,  
181, 189) }
```

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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