

# Converting Colors

$Yxy(49.2050, 0.3449, 0.3244)$

Have a look what the booklet for  
Yxy(49.2050, 0.3449, 0.3244)  
contains.

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# Color

**Yxy(49.3385, 0.3449, 0.3255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8B1B4
RGB	216, 177, 180
RGB Percent	85%, 69%, 71%
CMY	0.1530, 0.3059, 0.2940
CMYK	0.00, 0.18, 0.17, 0.15
HSL	355°, 33%, 77%
HSV	355°, 18%, 85%
XYZ	52.2791, 49.3385, 49.9600
YIQ	189.0030, 22.2810, 9.2010

# Conversions

## Conversions Part 2

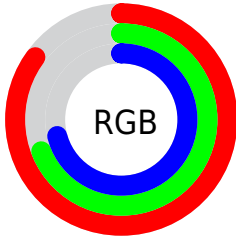
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 177, 180
Decimal	14201268
CIE <sub>Lab</sub>	75.66, 14.58, 3.78
CIE <sub>LCh</sub>	76, 15.058, 14.530
Yxy	49.3385, 0.3449, 0.3255
Android (android.graphics.Color)	4292391348 (0xFFD8B1B4)
YUV	189.0030, -4.4385, 23.6764
Hunter-Lab	70.2414, 9.9312, 6.9983

# Details

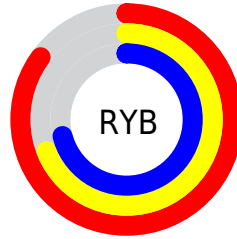
The Yxy color  $49.3385, 0.3449, 0.3255$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $63.2581, 0.2875, 0.3326$ , and the grayscale version is  $50.9085, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.5940, 0.3258, 0.3261$ , and  $23.5247, 0.3549, 0.3244$  is the 20% darker color. If you saturate the color by 10%, you get  $40.7176, 0.3690, 0.3234$ , and if you desaturate by 10%, it is  $59.4311, 0.3255, 0.3275$ .

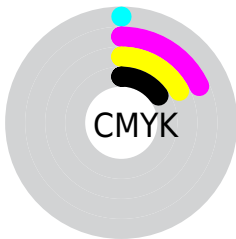
# Distribution



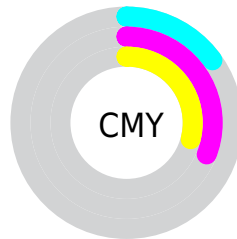
- Red (85%)
- Green (69%)
- Blue (71%)



- Red (85%)
- Yellow (69%)
- Blue (71%)



- Cyan (0%)
- Magenta (18%)
- Yellow (17%)
- Black (15%)




- Cyan (15%)
- Magenta (31%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3385, 0.3449, 0.3255 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 49.3385, 0.3449, 0.3255 by changing the saturation by 10% instead.




 49.3385, 0.3449,  
0.3255

 49.3385, 0.3449,  
0.3255


384.0734, 0.3289,  
0.3274

 34.8881, 0.3489,  
0.3250


 89.1940, 0.3391,  
0.3262

 23.5767, 0.3540,  
0.3243


115.3679, 0.3369,  
0.3265

 15.0199, 0.3607,  
0.3234


146.2183, 0.3351,  
0.3267

 8.8333, 0.3702,  
0.3220

182.1298, 0.3335,  
0.3269

 4.6326, 0.3841,  
0.3198

223.4866, 0.3321,  
0.3270

 2.0334, 0.4070,  
0.3158

270.6732, 0.3309,

 0.6268, 0.4778,

0.3272

0.3132

324.0740, 0.3298,  
0.3273

0.0000, 0.0000,  
0.0000

49.3385, 0.3449,  
0.3255

49.3385, 0.3449,  
0.3255

40.7176, 0.3690,  
0.3234

59.4311, 0.3255,  
0.3275

33.4933, 0.3988,  
0.3214

71.0525, 0.3099,  
0.3294

27.5941, 0.4348,  
0.3196

84.2650, 0.2974,  
0.3311

22.9395, 0.4767,  
0.3185

93.3376, 0.2894,  
0.3289

19.4401, 0.5224,  
0.3183

■ 16.9949, 0.5672,  
0.3194

■ 15.4850, 0.6048,  
0.3221

■ 14.7418, 0.6294,  
0.3256

■ 14.6372, 0.6329,  
0.3260

# Harmonies

## Analogous

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



49.3385, 0.3276, 0.3093



49.3385, 0.3449, 0.3255



49.3385, 0.3534, 0.3431

# Triad

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



49.3385, 0.3449, 0.3255



49.3385, 0.3177, 0.3626



49.3385, 0.2761, 0.2995

# Complementary

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



49.3385, 0.3449, 0.3255



63.2581, 0.2875, 0.3326

# 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.



49.3385, 0.2737, 0.3128



49.3385, 0.3449, 0.3255



49.3385, 0.2973, 0.3500

# Square

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



49.3385, 0.3449, 0.3255



49.3385, 0.3373, 0.3652



49.3385, 0.2814, 0.3314



49.3385, 0.2879, 0.2944



# Rectangle

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



49.3385, 0.3449, 0.3255



49.3385, 0.3527, 0.3534



49.3385, 0.2814, 0.3314



49.3385, 0.2742, 0.3031

# Sweetspot

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



49.3407, 0.3449, 0.3255



91.3986, 0.3205, 0.3281



50.5120, 0.3121, 0.2841



19.3142, 0.3216, 0.3279



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.



49.3407, 0.3449, 0.3255



66.3842, 0.3543, 0.3247



56.0229, 0.3442, 0.3482



12.4362, 0.3279, 0.3272



8.6707, 0.6310, 0.3250



0.5285, 0.6048, 0.3105



# Inverse Universe

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



49.3407, 0.3449, 0.3255



66.3842, 0.3543, 0.3247



55.4971, 0.2847, 0.3090



12.4362, 0.3279, 0.3272



8.6707, 0.6310, 0.3250



0.5285, 0.6048, 0.3105



# Previews

## White Background



This preview shows how the Yxy color 49.3385, 0.3449, 0.3255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

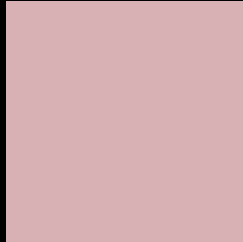
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.3385, 0.3449, 0.3255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

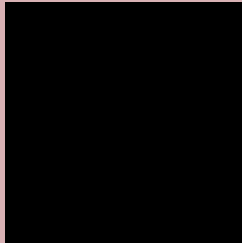
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.3385, 0.3449, 0.3255**

## Background



This preview shows how black text looks on a background with the Yxy color 49.3385, 0.3449, 0.3255.



This preview shows how white text looks on a background with the Yxy color 49.3385, 0.3449, 0.3255.

# 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

49.3385, 0.3449, 0.3255

### Protanopia

49.5677, 0.3168, 0.3303

### Deuteranopia

49.1626, 0.3372, 0.3303



## Tritanopia

49.4765, 0.3382, 0.3138

# Trichromacy



## Original Color

49.3385, 0.3449, 0.3255

## Protanomaly

49.4280, 0.3264, 0.3290

## Deuteranomaly

49.1965, 0.3400, 0.3291

## Tritanomaly

49.3476, 0.3408, 0.3173

# Monochromacy



## Original Color

49.3385, 0.3449, 0.3255

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

50.3852, 0.3238, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3385, 0.3449, 0.3255 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(216, 177, 180)` looks like.

```
.text, #text, p{  
    color:rgb(216, 177, 180)  
}
```

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(216, 177, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 177, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3385, 0.3449, 0.3255 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(216, 177, 180) }
```

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

```
.border{ border-color:rgb(216, 177, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 177, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 177, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 177, 180);  
box-shadow:4px 4px 4px 4px rgb(216, 177,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3385, 0.3449, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 177, 180) }
```

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

```
.background{ background-color: rgb(216,  
177, 180) }
```

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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