

# Converting Colors

$Y_{xy}(49.6652, 0.3636, 0.3311)$

Have a look what the booklet for  
Yxy(49.6652, 0.3636, 0.3311)  
contains.

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# Color

**Yxy(49.7446, 0.3637, 0.3315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4AEAC
RGB	228, 174, 172
RGB Percent	89%, 68%, 67%
CMY	0.1059, 0.3176, 0.3256
CMYK	0.00, 0.24, 0.25, 0.11
HSL	2°, 51%, 78%
HSV	2°, 25%, 89%
XYZ	54.5765, 49.7446, 45.7380
YIQ	189.9180, 32.8260, 10.8260

# Conversions

## Conversions Part 2

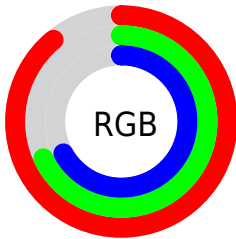
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 174, 172
Decimal	14986924
CIE <sub>Lab</sub>	75.91, 19.41, 8.68
CIE <sub>LCh</sub>	76, 21.265, 24.103
Y <sub>xy</sub>	49.7446, 0.3637, 0.3315
Android (android.graphics.Color)	4293177004 (0xFFE4AEAC)
YUV	189.9180, -8.8336, 33.3979
Hunter-Lab	70.5299, 14.6973, 10.9218

# Details

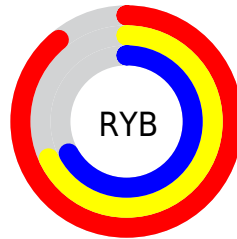
The Yxy color **49.7446, 0.3637, 0.3315** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **68.7452, 0.2764, 0.3265**, and the grayscale version is **51.4810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3997, 0.3320, 0.3320**, and **23.8015, 0.3785, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **41.1381, 0.3935, 0.3326**, and if you desaturate by 10%, it is **59.8946, 0.3396, 0.3304**.

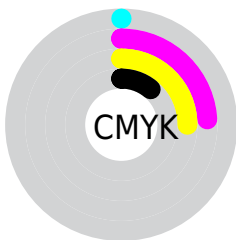
# Distribution



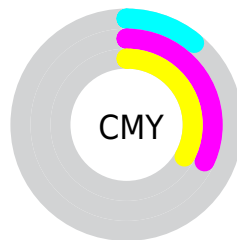
- Red (89%)
- Green (68%)
- Blue (67%)



- Red (89%)
- Yellow (68%)
- Blue (67%)



- Cyan (0%)
- Magenta (24%)
- Yellow (25%)
- Black (11%)




- Cyan (11%)
- Magenta (32%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7446, 0.3637, 0.3315 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 49.7446, 0.3637, 0.3315 by changing the saturation by 10% instead.





 49.7446, 0.3637,  
0.3315

 49.7446, 0.3637,  
0.3315


385.6663, 0.3383,  
0.3307

 35.2105, 0.3700,  
0.3316


 89.7963, 0.3545,  
0.3313

 23.8251, 0.3781,  
0.3315


116.0828, 0.3510,  
0.3312

 15.2039, 0.3888,  
0.3314


147.0555, 0.3481,  
0.3311

 8.9626, 0.4037,  
0.3310

183.0988, 0.3456,  
0.3310

 4.7168, 0.4257,  
0.3298

224.5972, 0.3434,  
0.3309

 2.0821, 0.4611,  
0.3265

271.9349, 0.3415,

 0.6545, 0.5962,

0.3309

0.3477

325.4965, 0.3398,  
0.3308

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

49.7446, 0.3637,  
0.3315

49.7446, 0.3637,  
0.3315

41.1381, 0.3935,  
0.3326

59.8946, 0.3396,  
0.3304

33.9930, 0.4297,  
0.3336

71.6510, 0.3203,  
0.3294

28.2303, 0.4721,  
0.3345

85.0819, 0.3047,  
0.3285

23.7605, 0.5188,  
0.3349

95.2353, 0.2964,  
0.3290

■ 20.4839, 0.5653,  
0.3346

■ 18.2860, 0.6046,  
0.3336

■ 17.0303, 0.6301,  
0.3320

■ 16.6753, 0.6380,  
0.3316

# Harmonies

## Analogous

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



49.7446, 0.3423, 0.3081



49.7446, 0.3637, 0.3315



49.7446, 0.3707, 0.3554

# Triad

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



49.7446, 0.3637, 0.3315



49.7446, 0.3100, 0.3727



49.7446, 0.2655, 0.2841

# Complementary

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



49.7446, 0.3637, 0.3315



68.7452, 0.2764, 0.3265

# 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.



49.7446, 0.2580, 0.2987



49.7446, 0.3637, 0.3315



49.7446, 0.2828, 0.3508

# Square

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



49.7446, 0.3637, 0.3315



49.7446, 0.3388, 0.3809



49.7446, 0.2641, 0.3231



49.7446, 0.2854, 0.2813



# Rectangle

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



49.7446, 0.3637, 0.3315



49.7446, 0.3661, 0.3687



49.7446, 0.2641, 0.3231



49.7446, 0.2615, 0.2877

# Sweetspot

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



49.7469, 0.3637, 0.3315



88.4154, 0.3246, 0.3297



51.4867, 0.3171, 0.2699



18.7214, 0.3257, 0.3297



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.



49.7469, 0.3637, 0.3315



58.7710, 0.3766, 0.3320



61.6460, 0.3563, 0.3628



14.4515, 0.3292, 0.3299



9.6652, 0.6373, 0.3321



0.7441, 0.6297, 0.3382



# Inverse Universe

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



68.7452, 0.2764, 0.3265



86.8659, 0.2703, 0.3260



54.8118, 0.2735, 0.2926



16.2417, 0.2982, 0.3281



32.7428, 0.2216, 0.3176



2.4478, 0.2221, 0.3194



# Previews

## White Background



This preview shows how the Yxy color 49.7446, 0.3637, 0.3315 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 49.7446, 0.3637, 0.3315 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 49.7446, 0.3637, 0.3315**

## Background



This preview shows how black text looks on a background with the Yxy color 49.7446, 0.3637, 0.3315.



This preview shows how white text looks on a background with the Yxy color 49.7446, 0.3637, 0.3315.

# 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

49.7446, 0.3637, 0.3315

### Protanopia

50.1328, 0.3240, 0.3391

### Deuteranopia

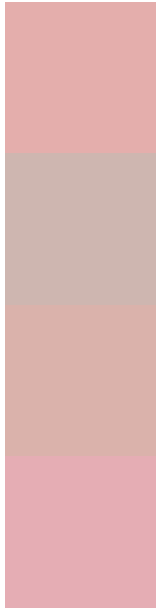
49.9851, 0.3483, 0.3412



## Tritanopia

49.6658, 0.3532, 0.3143

# Trichromacy



**Original Color**

49.7446, 0.3637, 0.3315

**Protanomaly**

49.7123, 0.3385, 0.3364

**Deuteranomaly**

49.6865, 0.3544, 0.3375

**Tritanomaly**

49.8404, 0.3575, 0.3211

# Monochromacy



**Original Color**

49.7446, 0.3637, 0.3315

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

50.5372, 0.3306, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.7446, 0.3637, 0.3315 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(228, 174, 172)` looks like.

```
.text, #text, p{  
    color:rgb(228, 174, 172)  
}
```

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(228, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 174, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 49.7446, 0.3637, 0.3315 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(228, 174, 172) }
```

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

```
.border{ border-color:rgb(228, 174, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 174, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(228, 174,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.7446, 0.3637, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 174, 172) }
```

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

```
.background{ background-color: rgb(228,  
174, 172) }
```

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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