

# Converting Colors

$Yxy(47.0998, 0.3367, 0.3374)$

Have a look what the booklet for  
Yxy(47.0998, 0.3367, 0.3374)  
contains.

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# Color

**Yxy(46.9615, 0.3363, 0.3366)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7B2AC
RGB	199, 178, 172
RGB Percent	78%, 70%, 67%
CMY	0.2197, 0.3019, 0.3254
CMYK	0.00, 0.11, 0.14, 0.22
HSL	13°, 19%, 73%
HSV	13°, 14%, 78%
XYZ	46.9196, 46.9615, 45.6361
YIQ	183.5950, 14.4420, 2.5860

# Conversions

## Conversions Part 2

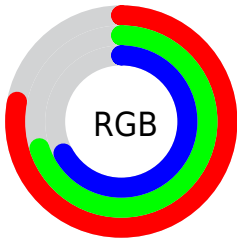
Format	Color
R <sub>Y</sub> B	199, 180, 172
Decimal	13087404
CIE Lab	74.17, 6.52, 5.78
CIE LCh	74, 8.715, 41.576
Yxy	46.9615, 0.3363, 0.3366
Android (android.graphics.Color)	4291277484 (0xFFC7B2AC)
YUV	183.5950, -5.7163, 13.5102
Hunter-Lab	68.5285, 2.2895, 8.4861

# Details

The Yxy color **46.9615, 0.3363, 0.3366** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.0421, 0.2921, 0.3213**, and the grayscale version is **47.7252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6517, 0.3316, 0.3360**, and **22.0430, 0.3431, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **40.4357, 0.3579, 0.3426**, and if you desaturate by 10%, it is **54.3018, 0.3183, 0.3309**.

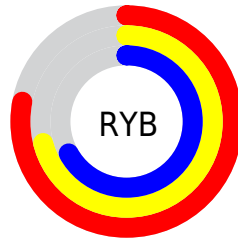
# Distribution



Red (78%)

Green (70%)

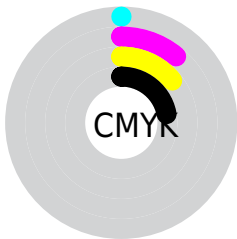
Blue (67%)



Red (78%)

Yellow (71%)

Blue (67%)

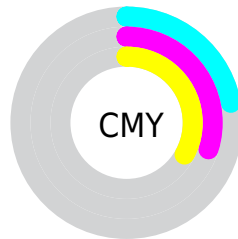


Cyan (0%)

Magenta (11%)

Yellow (14%)

Black (22%)



Cyan (22%)

Magenta (30%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9615, 0.3363, 0.3366 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 46.9615, 0.3363, 0.3366 by changing the saturation by 10% instead.




 46.9615, 0.3363,  
0.3366

 46.9615, 0.3363,  
0.3366

374.6608, 0.3245,  
0.3329

 33.0052, 0.3393,  
0.3375


 85.6562, 0.3320,  
0.3353

 22.1304, 0.3431,  
0.3386


111.1633, 0.3304,  
0.3348

 13.9528, 0.3482,  
0.3401


141.2896, 0.3290,  
0.3344

 8.0878, 0.3554,  
0.3420

176.4193, 0.3278,  
0.3340

 4.1512, 0.3662,  
0.3448

216.9369, 0.3268,  
0.3337

 1.7585, 0.3842,  
0.3490

263.2267, 0.3259,

 0.4611, 0.5167,

0.3334

0.3988

315.6733, 0.3252,  
0.3331

0.0000, 0.0000,  
0.0000

46.9615, 0.3363,  
0.3366

46.9615, 0.3363,  
0.3366

40.4357, 0.3579,  
0.3426

54.3018, 0.3183,  
0.3309

34.6900, 0.3838,  
0.3488

62.4771, 0.3034,  
0.3257

29.6969, 0.4143,  
0.3548

71.5149, 0.2910,  
0.3208

25.4246, 0.4495,  
0.3599

81.4396, 0.2806,  
0.3165

21.8393, 0.4885,  
0.3635

90.8804, 0.2800,  
0.3289

■ 18.9040, 0.5290,  
0.3644

■ 16.5785, 0.5672,  
0.3619

■ 14.8173, 0.5985,  
0.3555

■ 13.9502, 0.6143,  
0.3504

# Harmonies

## Analogous

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



46.9615, 0.3308, 0.3261



46.9615, 0.3363, 0.3366



46.9615, 0.3353, 0.3454

# Triad

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



46.9615, 0.3363, 0.3366



46.9615, 0.3048, 0.3421



46.9615, 0.2972, 0.3085

# Complementary

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



46.9615, 0.3363, 0.3366



51.0421, 0.2921, 0.3213

# 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.



46.9615, 0.2905, 0.3123



46.9615, 0.3363, 0.3366



46.9615, 0.2949, 0.3317

# Square

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



46.9615, 0.3363, 0.3366



46.9615, 0.3170, 0.3489



46.9615, 0.2897, 0.3207



46.9615, 0.3081, 0.3101



# Rectangle

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



46.9615, 0.3363, 0.3366



46.9615, 0.3312, 0.3491



46.9615, 0.2897, 0.3207



46.9615, 0.2944, 0.3092

# Sweetspot

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



46.9636, 0.3363, 0.3366



94.3993, 0.3192, 0.3312



45.5140, 0.3191, 0.3029



19.9857, 0.3204, 0.3316



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

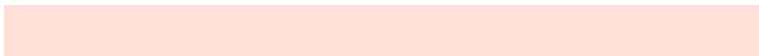


# Same Dimension

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



46.9636, 0.3363, 0.3366



79.0315, 0.3417, 0.3382



52.5345, 0.3340, 0.3530



11.0119, 0.3284, 0.3342



9.0803, 0.6121, 0.3522



0.5415, 0.5709, 0.3849

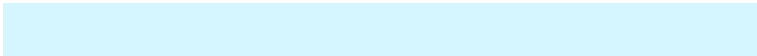


# Inverse Universe

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



51.0421, 0.2921, 0.3213



87.4305, 0.2880, 0.3196



45.4059, 0.2916, 0.3038



11.6532, 0.2984, 0.3238



17.8356, 0.2046, 0.2567



0.9459, 0.2093, 0.2734



# Previews

## White Background



This preview shows how the Yxy color 46.9615, 0.3363, 0.3366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

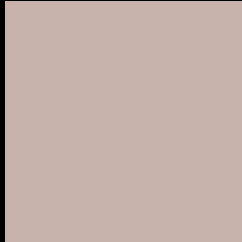
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9615, 0.3363, 0.3366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

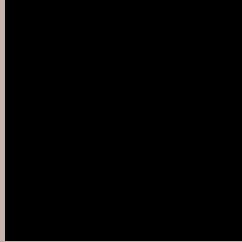
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9615, 0.3363, 0.3366**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9615, 0.3363, 0.3366.



This preview shows how white text looks on a background with the Yxy color 46.9615, 0.3363, 0.3366.

# 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

46.9615, 0.3363, 0.3366

### Protanopia

47.2033, 0.3243, 0.3394

### Deuteranopia

46.8666, 0.3412, 0.3341



## Tritanopia

46.7516, 0.3241, 0.3118

# Trichromacy



## Original Color

46.9615, 0.3363, 0.3366

## Protanomaly

47.2713, 0.3288, 0.3393

## Deuteranomaly

46.9794, 0.3392, 0.3353

## Tritanomaly

46.7489, 0.3282, 0.3203

# Monochromacy



## Original Color

46.9615, 0.3363, 0.3366

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.5700, 0.3203, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9615, 0.3363, 0.3366 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(199, 178, 172)` looks like.

```
.text, #text, p{  
    color:rgb(199, 178, 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(199, 178, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 178, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9615, 0.3363, 0.3366 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(199, 178, 172) }
```

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

```
.border{ border-color:rgb(199, 178, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 178, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 178, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 178, 172);  
box-shadow:4px 4px 4px 4px rgb(199, 178,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9615, 0.3363, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 178, 172) }
```

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

```
.background{ background-color: rgb(199,  
178, 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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