

# Converting Colors

$Yxy(33.7835, 0.3999, 0.3466)$

Have a look what the booklet for  
Yxy(33.7835, 0.3999, 0.3466)  
contains.

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# Color

**Yxy(33.8475, 0.4010, 0.3472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF8D7F
RGB	207, 141, 127
RGB Percent	81%, 55%, 50%
CMY	0.1881, 0.4471, 0.5020
CMYK	0.00, 0.32, 0.39, 0.19
HSL	10°, 45%, 65%
HSV	10°, 39%, 81%
XYZ	39.0923, 33.8475, 24.5472
YIQ	159.1380, 43.8300, 9.6380

# Conversions

## Conversions Part 2

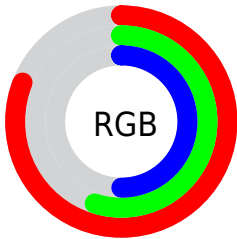
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 144, 127
Decimal	13602175
CIE Lab	64.84, 23.38, 17.66
CIE LCh	65, 29.302, 37.056
Yxy	33.8475, 0.4010, 0.3472
Android (android.graphics.Color)	4291792255 (0xFFCF8D7F)
YUV	159.1380, -15.8440, 41.9750
Hunter-Lab	58.1786, 18.1280, 15.7089

# Details

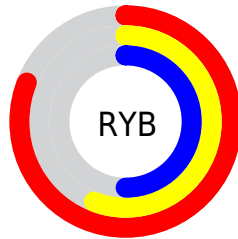
The Yxy color **33.8475, 0.4010, 0.3472** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **47.1657, 0.2566, 0.3096**, and the grayscale version is **34.7970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5855, 0.3742, 0.3448**, and **14.4417, 0.4309, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **28.7095, 0.4355, 0.3516**, and if you desaturate by 10%, it is **39.8764, 0.3717, 0.3423**.

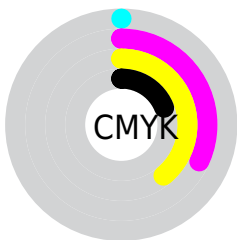
# Distribution



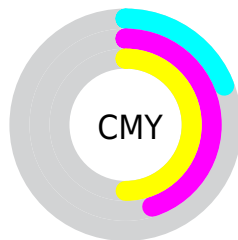
- Red (81%)
- Green (55%)
- Blue (50%)



- Red (81%)
- Yellow (56%)
- Blue (50%)



- Cyan (0%)
- Magenta (32%)
- Yellow (39%)
- Black (19%)



- Cyan (19%)
- Magenta (45%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8475, 0.4010, 0.3472 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 33.8475, 0.4010, 0.3472 by changing the saturation by 10% instead.




 33.8475, 0.4010,  
0.3472


 33.8475, 0.4010,  
0.3472


319.4515, 0.3541,  
0.3392

 22.7765, 0.4136,  
0.3487


 65.6964, 0.3833,  
0.3446

 14.4285, 0.4302,  
0.3503


 87.2432, 0.3768,  
0.3435

 8.4193, 0.4532,  
0.3518


 113.0505, 0.3715,  
0.3426

 4.3644, 0.4866,  
0.3521

143.5030, 0.3669,  
0.3417

 1.8794, 0.5441,  
0.3521

178.9849, 0.3630,  
0.3410

 0.5360, 0.6731,  
0.3269

219.8807, 0.3596,

 0.0000, 1.0000,

0.3403

0.0000

266.5748, 0.3567,  
0.3397

0.0000, 0.0000,  
0.0000

33.8475, 0.4010,  
0.3472

33.8475, 0.4010,  
0.3472

28.7095, 0.4355,  
0.3516

39.8764, 0.3717,  
0.3423

24.4152, 0.4747,  
0.3550

46.8307, 0.3474,  
0.3375

20.9204, 0.5169,  
0.3566


54.7492, 0.3272,  
0.3328


18.1748, 0.5585,  
0.3554

63.6669, 0.3107,  
0.3284


16.1221, 0.5943,  
0.3511

73.6170, 0.2970,  
0.3244

 14.6945, 0.6201,  
0.3443

 84.6313, 0.2857,  
0.3208

 14.5446, 0.6230,  
0.3435

 92.0090, 0.2844,  
0.3289

# Harmonies

## Analogous

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



33.8475, 0.3759, 0.3110



33.8475, 0.4010, 0.3472



33.8475, 0.3999, 0.3820

# Triad

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



33.8475, 0.4010, 0.3472



33.8475, 0.2883, 0.3863



33.8475, 0.2512, 0.2562

# Complementary

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



33.8475, 0.4010, 0.3472



47.1657, 0.2566, 0.3096

# 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.



33.8475, 0.2317, 0.2694



33.8475, 0.4010, 0.3472



33.8475, 0.2517, 0.3440

# Square

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



33.8475, 0.4010, 0.3472



33.8475, 0.3332, 0.4097



33.8475, 0.2318, 0.3004



33.8475, 0.2874, 0.2607



# Rectangle

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



33.8475, 0.4010, 0.3472



33.8475, 0.3852, 0.4000



33.8475, 0.2318, 0.3004



33.8475, 0.2426, 0.2586

# Sweetspot

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



33.8491, 0.4010, 0.3472



83.1208, 0.3338, 0.3344



32.3257, 0.3305, 0.2483



17.4285, 0.3364, 0.3350



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.



33.8491, 0.4010, 0.3472



47.6175, 0.4278, 0.3508



47.5834, 0.3818, 0.3953



12.1379, 0.3286, 0.3331



9.2588, 0.6210, 0.3451



0.6223, 0.5876, 0.3716



# Inverse Universe

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



47.1657, 0.2566, 0.3096



71.7131, 0.2468, 0.3050



32.0189, 0.2480, 0.2519



13.0404, 0.2983, 0.3248



21.2597, 0.2091, 0.2726



1.2834, 0.2122, 0.2840



# Previews

## White Background



This preview shows how the Yxy color 33.8475, 0.4010, 0.3472 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 33.8475, 0.4010, 0.3472 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 33.8475, 0.4010, 0.3472**

## Background



This preview shows how black text looks on a background with the Yxy color 33.8475, 0.4010, 0.3472.



This preview shows how white text looks on a background with the Yxy color 33.8475, 0.4010, 0.3472.

# 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

33.8475, 0.4010, 0.3472

### Protanopia

33.9702, 0.3424, 0.3617

### Deuteranopia

33.8042, 0.3736, 0.3657



## Tritanopia

33.8704, 0.3806, 0.3165

# Trichromacy



## Original Color

33.8475, 0.4010, 0.3472

## Protanomaly

33.6229, 0.3631, 0.3561

## Deuteranomaly

33.5803, 0.3830, 0.3578

## Tritanomaly

33.7686, 0.3883, 0.3279

# Monochromacy



## Original Color

33.8475, 0.4010, 0.3472

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

33.7932, 0.3423, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.8475, 0.4010, 0.3472 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(207, 141, 127)` looks like.

```
.text, #text, p{  
    color:rgb(207, 141, 127)  
}
```

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(207, 141, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 141, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 33.8475, 0.4010, 0.3472 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(207, 141, 127) }
```

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

```
.border{ border-color:rgb(207, 141, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 141, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 141, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 141, 127);  
box-shadow:4px 4px 4px 4px rgb(207, 141,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.8475, 0.4010, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 141, 127) }
```

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

```
.background{ background-color: rgb(207,  
141, 127) }
```

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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