

# Converting Colors

$Yxy(40.0667, 0.3784, 0.3529)$

Have a look what the booklet for  
Yxy(40.0667, 0.3784, 0.3529)  
contains.

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# Color

**Yxy(39.9848, 0.3781, 0.3521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF9F8D
RGB	207, 159, 141
RGB Percent	81%, 62%, 55%
CMY	0.1882, 0.3764, 0.4472
CMYK	0.00, 0.23, 0.32, 0.19
HSL	16°, 41%, 68%
HSV	16°, 32%, 81%
XYZ	42.9374, 39.9848, 30.6387
YIQ	171.3000, 34.3860, 4.5780

# Conversions

## Conversions Part 2

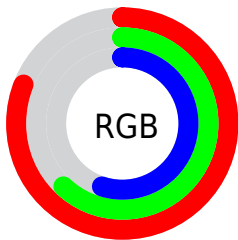
Format	Color
R <sub>Y</sub> B	207, 166, 141
Decimal	13606797
CIE Lab	69.46, 15.29, 16.28
CIE LCh	69, 22.340, 46.795
Yxy	39.9848, 0.3781, 0.3521
Android (android.graphics.Color)	4291796877 (0xFFCF9F8D)
YUV	171.3000, -14.9379, 31.3089
Hunter-Lab	63.2335, 10.5479, 15.5355

# Details

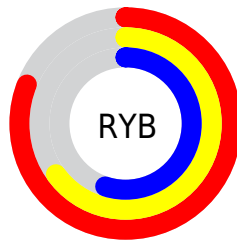
The Yxy color  $39.9848, 0.3781, 0.3521$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $46.5450, 0.2645, 0.3045$ , and the grayscale version is  $40.9470, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.2933, 0.3574, 0.3486$ , and  $17.8500, 0.3978, 0.3566$  is the 20% darker color. If you saturate the color by 10%, you get  $34.5634, 0.4068, 0.3595$ , and if you desaturate by 10%, it is  $46.1550, 0.3536, 0.3445$ .

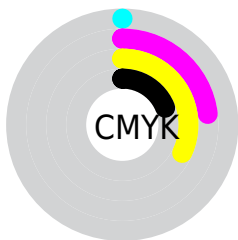
# Distribution



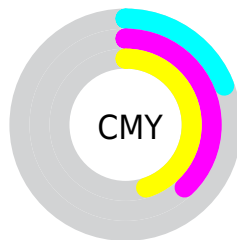
- Red (81%)
- Green (62%)
- Blue (55%)



- Red (81%)
- Yellow (65%)
- Blue (55%)



- Cyan (0%)
- Magenta (23%)
- Yellow (32%)
- Black (19%)




- Cyan (19%)
- Magenta (38%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9848, 0.3781, 0.3521 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 39.9848, 0.3781, 0.3521 by changing the saturation by 10% instead.




 39.9848, 0.3781,  
0.3521


 39.9848, 0.3781,  
0.3521


346.0595, 0.3443,  
0.3411


 27.5267, 0.3869,  
0.3546


 75.1404, 0.3656,  
0.3483

 17.9692, 0.3983,  
0.3577


 98.6066, 0.3609,  
0.3468

 10.9279, 0.4138,  
0.3614


 126.5110, 0.3570,  
0.3455

 6.0183, 0.4358,  
0.3660

159.2380, 0.3537,  
0.3444

 2.8562, 0.4695,  
0.3710

197.1720, 0.3509,  
0.3434

 1.0571, 0.5839,  
0.4154

240.6973, 0.3484,


 0.0000, 1.0000,


0.3426


0.0000


290.1983, 0.3462,  
0.3418

 0.0000, 0.0000,  
0.0000

 39.9848, 0.3781,  
0.3521


 39.9848, 0.3781,  
0.3521


 34.5634, 0.4068,  
0.3595


 46.1550, 0.3536,  
0.3445

 29.8562, 0.4398,  
0.3662

 53.0957, 0.3330,  
0.3372

 25.8341, 0.4763,  
0.3712

 60.8347, 0.3157,  
0.3303

 22.4639, 0.5146,  
0.3735

 69.3966, 0.3012,  
0.3239

 19.7093, 0.5516,  
0.3719

 78.8050, 0.2890,  
0.3180

■ 17.5297, 0.5833,  
0.3659

■ 88.4103, 0.2840,  
0.3230

■ 16.1489, 0.6038,  
0.3588

■ 92.0066, 0.2844,  
0.3289

# Harmonies

## Analogous

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



39.9848, 0.3658, 0.3249



39.9848, 0.3781, 0.3521



39.9848, 0.3717, 0.3753

# Triad

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



39.9848, 0.3781, 0.3521



39.9848, 0.2857, 0.3608



39.9848, 0.2754, 0.2750

# Complementary

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



39.9848, 0.3781, 0.3521



46.5450, 0.2645, 0.3045

# 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.



39.9848, 0.2562, 0.2811



39.9848, 0.3781, 0.3521



39.9848, 0.2619, 0.3297

# Square

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



39.9848, 0.3781, 0.3521



39.9848, 0.3175, 0.3826



39.9848, 0.2515, 0.3005



39.9848, 0.3051, 0.2820



# Rectangle

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



39.9848, 0.3781, 0.3521



39.9848, 0.3581, 0.3850



39.9848, 0.2515, 0.3005



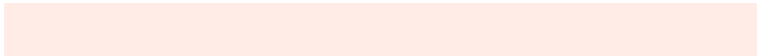
39.9848, 0.2676, 0.2755

# Sweetspot

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



39.9867, 0.3781, 0.3521



87.2050, 0.3297, 0.3359



35.9965, 0.3333, 0.2697



18.3034, 0.3323, 0.3369



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.



39.9867, 0.3781, 0.3521



58.2513, 0.3964, 0.3570



52.7114, 0.3658, 0.3911



12.3263, 0.3284, 0.3354



10.3101, 0.6014, 0.3607



0.7100, 0.5645, 0.3900



# Inverse Universe

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



46.5450, 0.2645, 0.3045



70.2768, 0.2552, 0.2986



34.0670, 0.2589, 0.2579



12.8381, 0.2983, 0.3225



16.8366, 0.1996, 0.2384

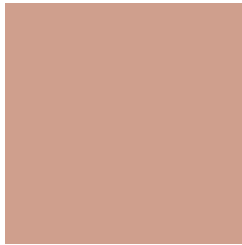


1.0698, 0.2047, 0.2570



# Previews

## White Background



This preview shows how the Yxy color 39.9848, 0.3781, 0.3521 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 39.9848, 0.3781, 0.3521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

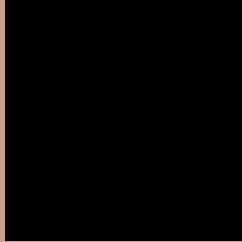
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9848, 0.3781, 0.3521**

## Background



This preview shows how black text looks on a background with the Yxy color 39.9848, 0.3781, 0.3521.



This preview shows how white text looks on a background with the Yxy color 39.9848, 0.3781, 0.3521.

# 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

39.9848, 0.3781, 0.3521

### Protanopia

39.9162, 0.3413, 0.3610

### Deuteranopia

39.9582, 0.3675, 0.3594



## Tritanopia

39.9343, 0.3562, 0.3142

# Trichromacy



**Original Color**

39.9848, 0.3781, 0.3521

**Protanomaly**

39.7427, 0.3550, 0.3574

**Deuteranomaly**

40.1516, 0.3718, 0.3577

**Tritanomaly**

39.8009, 0.3640, 0.3266

# Monochromacy



**Original Color**

39.9848, 0.3781, 0.3521

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

40.3658, 0.3349, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9848, 0.3781, 0.3521 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, 159, 141)` looks like.

```
.text, #text, p{  
    color:rgb(207, 159, 141)  
}
```

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, 159, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 159, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9848, 0.3781, 0.3521 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, 159, 141) }
```

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

```
.border{ border-color:rgb(207, 159, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 159, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 159, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 159, 141);  
box-shadow:4px 4px 4px 4px rgb(207, 159,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9848, 0.3781, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 159, 141) }
```

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

```
.background{ background-color: rgb(207,  
159, 141) }
```

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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