

# Converting Colors

$Yxy(33.9801, 0.4006, 0.3381)$

Have a look what the booklet for  
Yxy(33.9801, 0.4006, 0.3381)  
contains.

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# Color

**Yxy(33.9801, 0.4006, 0.3381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D38B84
RGB	211, 139, 132
RGB Percent	83%, 55%, 52%
CMY	0.1725, 0.4549, 0.4824
CMYK	0.00, 0.34, 0.37, 0.17
HSL	5°, 47%, 67%
HSV	5°, 37%, 83%
XYZ	40.2615, 33.9801, 26.2615
YIQ	159.7300, 45.1590, 13.0870

# Conversions

## Conversions Part 2

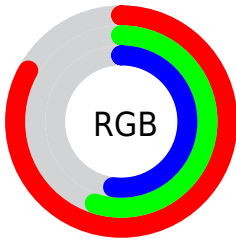
Format	Color
R <sub>Y</sub> B	211, 140, 132
Decimal	13863812
CIE Lab	64.95, 26.60, 15.07
CIE LCh	65, 30.573, 29.531
Yxy	33.9801, 0.4006, 0.3381
Android (android.graphics.Color)	4292053892 (0xFFD38B84)
YUV	159.7300, -13.6709, 44.9638
Hunter-Lab	58.2925, 21.2749, 14.0938

# Details

The Yxy color **33.9801, 0.4006, 0.3381** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **52.7868, 0.2594, 0.3195**, and the grayscale version is **35.0722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9027, 0.3706, 0.3375**, and **14.4740, 0.4288, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **28.3745, 0.4369, 0.3404**, and if you desaturate by 10%, it is **40.6850, 0.3703, 0.3356**.

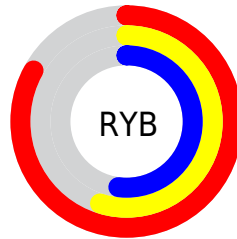
# Distribution



Red (83%)

Green (55%)

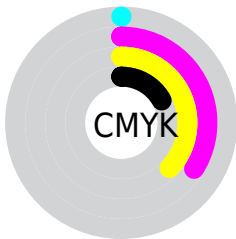
Blue (52%)



Red (83%)

Yellow (55%)

Blue (52%)

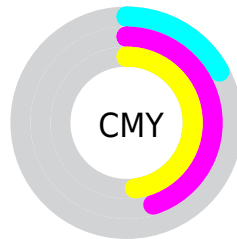


Cyan (0%)

Magenta (34%)

Yellow (37%)

Black (17%)



Cyan (17%)

Magenta (45%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9801, 0.4006, 0.3381 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 33.9801, 0.4006, 0.3381 by changing the saturation by 10% instead.




 33.9801, 0.4006,  
0.3381


 33.9801, 0.4006,  
0.3381


320.0433, 0.3539,  
0.3347

 22.8783, 0.4131,  
0.3384


 65.9027, 0.3830,  
0.3372

 14.5037, 0.4298,  
0.3385


 87.4923, 0.3765,  
0.3368

 8.4718, 0.4527,  
0.3380

 113.3467, 0.3712,  
0.3364

 4.3983, 0.4863,  
0.3358

143.8502, 0.3667,  
0.3360

 1.8988, 0.5405,  
0.3296

179.3872, 0.3628,  
0.3356

 0.5476, 0.6892,  
0.3108

220.3421, 0.3594,


 0.0000, 1.0000,


0.3353

0.0000


267.0994, 0.3565,  
0.3350

 0.0000, 0.0000,  
0.0000


 33.9801, 0.4006,  
0.3381

 33.9801, 0.4006,  
0.3381


 28.3745, 0.4369,  
0.3404


 40.6850, 0.3703,  
0.3356


 23.8047, 0.4788,  
0.3421


 48.5382, 0.3454,  
0.3331


 20.2087, 0.5241,  
0.3428

 57.5917, 0.3252,  
0.3307

 17.5156, 0.5684,  
0.3419

 67.8932, 0.3089,  
0.3285

 15.6448, 0.6054,  
0.3393

 79.4874, 0.2956,  
0.3264

■ 14.5001, 0.6295,  
0.3354

■ 92.1836, 0.2866,  
0.3283

■ 14.3065, 0.6340,  
0.3348

■ 92.5895, 0.2866,  
0.3289

# Harmonies

## Analogous

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



33.9801, 0.3686, 0.3014



33.9801, 0.4006, 0.3381



33.9801, 0.4065, 0.3754

# Triad

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



33.9801, 0.4006, 0.3381



33.9801, 0.2985, 0.3975



33.9801, 0.2419, 0.2550

# Complementary

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



33.9801, 0.4006, 0.3381



52.7868, 0.2594, 0.3195

# 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.



33.9801, 0.2267, 0.2733



33.9801, 0.4006, 0.3381



33.9801, 0.2574, 0.3565

# Square

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



33.9801, 0.4006, 0.3381



33.9801, 0.3455, 0.4150



33.9801, 0.2319, 0.3096



33.9801, 0.2755, 0.2553



# Rectangle

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



33.9801, 0.4006, 0.3381



33.9801, 0.3951, 0.3964



33.9801, 0.2319, 0.3096



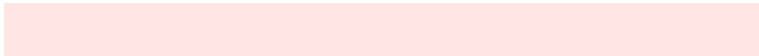
33.9801, 0.2346, 0.2590

# Sweetspot

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



33.9818, 0.4006, 0.3381



83.0865, 0.3321, 0.3315



34.7282, 0.3234, 0.2438



17.3727, 0.3349, 0.3319



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.



33.9818, 0.4006, 0.3381



45.1149, 0.4293, 0.3400



47.3878, 0.3823, 0.3857



11.9746, 0.3288, 0.3311



8.6980, 0.6326, 0.3359



0.5460, 0.6113, 0.3529



# Inverse Universe

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



52.7868, 0.2594, 0.3195



78.0059, 0.2501, 0.3172



36.4859, 0.2515, 0.2643



13.2200, 0.2983, 0.3269



25.7361, 0.2170, 0.3011



1.4928, 0.2185, 0.3066



# Previews

## White Background



This preview shows how the Yxy color 33.9801, 0.4006, 0.3381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

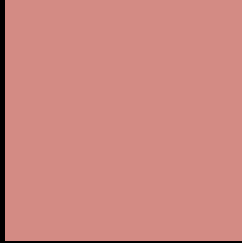
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.9801, 0.4006, 0.3381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

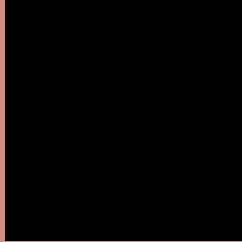
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.9801, 0.4006, 0.3381**

## Background



This preview shows how black text looks on a background with the Yxy color 33.9801, 0.4006, 0.3381.



This preview shows how white text looks on a background with the Yxy color 33.9801, 0.4006, 0.3381.

# 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

33.9801, 0.4006, 0.3381

### Protanopia

34.0364, 0.3356, 0.3528

### Deuteranopia

34.1355, 0.3670, 0.3601



## Tritanopia

33.9950, 0.3853, 0.3167

# Trichromacy



## Original Color

33.9801, 0.4006, 0.3381

## Protanomaly

33.5928, 0.3583, 0.3461

## Deuteranomaly

33.8436, 0.3787, 0.3509

## Tritanomaly

34.1270, 0.3907, 0.3242

# Monochromacy



## Original Color

33.9801, 0.4006, 0.3381

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

34.2422, 0.3424, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.9801, 0.4006, 0.3381 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(211, 139, 132)` looks like.

```
.text, #text, p{  
    color:rgb(211, 139, 132)  
}
```

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(211, 139, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 139, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 33.9801, 0.4006, 0.3381 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(211, 139, 132) }
```

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

```
.border{ border-color:rgb(211, 139, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 139, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 139, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 139, 132);  
box-shadow:4px 4px 4px 4px rgb(211, 139,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.9801, 0.4006, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 139, 132) }
```

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

```
.background{ background-color: rgb(211,  
139, 132) }
```

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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