

# Converting Colors

$Yxy(37.1768, 0.3855, 0.3493)$

Have a look what the booklet for  
Yxy(37.1768, 0.3855, 0.3493)  
contains.

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# Color

**Yxy(37.0326, 0.3854, 0.3484)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE9788
RGB	206, 151, 136
RGB Percent	81%, 59%, 53%
CMY	0.1922, 0.4078, 0.4665
CMYK	0.00, 0.27, 0.34, 0.19
HSL	13°, 42%, 67%
HSV	13°, 34%, 81%
XYZ	40.9655, 37.0326, 28.2953
YIQ	165.7350, 37.5950, 6.9950

# Conversions

## Conversions Part 2

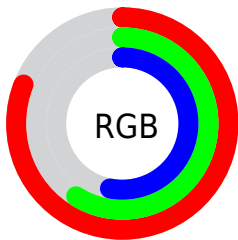
Format	Color
R <sub>Y</sub> B	206, 155, 136
Decimal	13539208
CIE Lab	67.30, 18.63, 15.99
CIE LCh	67, 24.552, 40.652
Yxy	37.0326, 0.3854, 0.3484
Android (android.graphics.Color)	4291729288 (0xFFCE9788)
YUV	165.7350, -14.6594, 35.3124
Hunter-Lab	60.8544, 13.6659, 15.0302

# Details

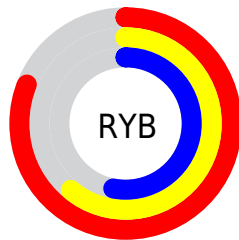
The Yxy color **37.0326, 0.3854, 0.3484** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.9686, 0.2623, 0.3085**, and the grayscale version is **38.0591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5968, 0.3641, 0.3457**, and **16.2703, 0.4087, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **31.6444, 0.4164, 0.3541**, and if you desaturate by 10%, it is **43.2528, 0.3591, 0.3424**.

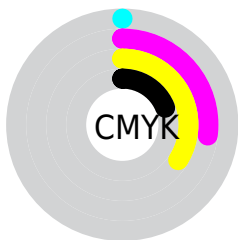
# Distribution



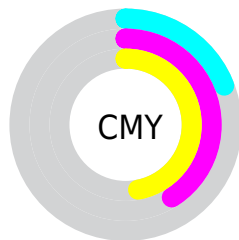
- Red (81%)
- Green (59%)
- Blue (53%)



- Red (81%)
- Yellow (61%)
- Blue (53%)



- Cyan (0%)
- Magenta (27%)
- Yellow (34%)
- Black (19%)




- Cyan (19%)
- Magenta (41%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0326, 0.3854, 0.3484 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 37.0326, 0.3854, 0.3484 by changing the saturation by 10% instead.





 37.0326, 0.3854,  
0.3484


 37.0326, 0.3854,  
0.3484


333.4516, 0.3473,  
0.3394

 25.2327, 0.3954,  
0.3504


 70.6229, 0.3712,  
0.3453

 16.2505, 0.4086,  
0.3527


 93.1822, 0.3659,  
0.3441

 9.7016, 0.4267,  
0.3553


 120.0967, 0.3616,  
0.3430

 5.2016, 0.4528,  
0.3581

151.7508, 0.3578,  
0.3421

 2.3660, 0.4931,  
0.3598

188.5290, 0.3547,  
0.3413

 0.8083, 0.6136,  
0.3864

230.8156, 0.3519,


 0.0000, 1.0000,


0.3406

0.0000


278.9950, 0.3495,  
0.3400


 0.0000, 0.0000,  
0.0000


 37.0326, 0.3854,  
0.3484


 37.0326, 0.3854,  
0.3484


 31.6444, 0.4164,  
0.3541


 43.2528, 0.3591,  
0.3424


 27.0474, 0.4522,  
0.3591


 50.3330, 0.3372,  
0.3366


 23.2054, 0.4918,  
0.3624

 58.3064, 0.3190,  
0.3311

 20.0769, 0.5326,  
0.3630

 67.2029, 0.3039,  
0.3260

 17.6165, 0.5709,  
0.3602

 77.0509, 0.2914,  
0.3213

■ 15.7729, 0.6017,  
0.3537

■ 87.5754, 0.2834,  
0.3218

■ 14.9276, 0.6161,  
0.3490

■ 91.8613, 0.2838,  
0.3289

# Harmonies

## Analogous

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



37.0326, 0.3674, 0.3181



37.0326, 0.3854, 0.3484



37.0326, 0.3823, 0.3761

# Triad

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



37.0326, 0.3854, 0.3484



37.0326, 0.2890, 0.3714



37.0326, 0.2652, 0.2687

# Complementary

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



37.0326, 0.3854, 0.3484



46.9686, 0.2623, 0.3085

# 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.



37.0326, 0.2470, 0.2784



37.0326, 0.3854, 0.3484



37.0326, 0.2600, 0.3371

# Square

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



37.0326, 0.3854, 0.3484



37.0326, 0.3255, 0.3927



37.0326, 0.2451, 0.3026



37.0326, 0.2965, 0.2737



# Rectangle

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



37.0326, 0.3854, 0.3484



37.0326, 0.3692, 0.3893



37.0326, 0.2451, 0.3026



37.0326, 0.2574, 0.2702

# Sweetspot

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



37.0344, 0.3854, 0.3484



86.3360, 0.3298, 0.3344



34.5464, 0.3303, 0.2606



18.0944, 0.3325, 0.3352



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.



37.0344, 0.3854, 0.3484



53.2929, 0.4084, 0.3528



49.6016, 0.3713, 0.3898



11.5962, 0.3285, 0.3340



9.3091, 0.6138, 0.3508



0.5945, 0.5755, 0.3812



# Inverse Universe

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



46.9686, 0.2623, 0.3085



71.8180, 0.2522, 0.3032



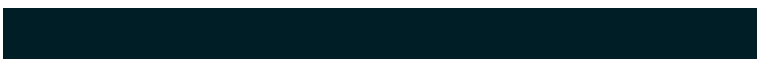
33.8161, 0.2560, 0.2595



12.3038, 0.2983, 0.3239



18.7873, 0.2054, 0.2593

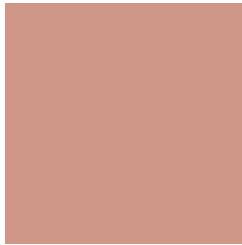


1.0735, 0.2096, 0.2744



# Previews

## White Background



This preview shows how the Yxy color 37.0326, 0.3854, 0.3484 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 37.0326, 0.3854, 0.3484 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

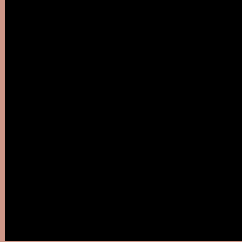
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.0326, 0.3854, 0.3484**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0326, 0.3854, 0.3484.



This preview shows how white text looks on a background with the Yxy color 37.0326, 0.3854, 0.3484.

# 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

37.0326, 0.3854, 0.3484

### Protanopia

37.2746, 0.3402, 0.3606

### Deuteranopia

37.1501, 0.3670, 0.3604



## Tritanopia

37.0929, 0.3643, 0.3153

# Trichromacy



## Original Color

37.0326, 0.3854, 0.3484

## Protanomaly

36.8801, 0.3556, 0.3554

## Deuteranomaly

36.9277, 0.3744, 0.3558

## Tritanomaly

36.9947, 0.3714, 0.3266

# Monochromacy



## Original Color

37.0326, 0.3854, 0.3484

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.6801, 0.3377, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0326, 0.3854, 0.3484 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(206, 151, 136)` looks like.

```
.text, #text, p{  
    color:rgb(206, 151, 136)  
}
```

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(206, 151, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 151, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0326, 0.3854, 0.3484 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(206, 151, 136) }
```

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

```
.border{ border-color:rgb(206, 151, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 151, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 151, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 151, 136);  
box-shadow:4px 4px 4px 4px rgb(206, 151,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0326, 0.3854, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 151, 136) }
```

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

```
.background{ background-color: rgb(206,  
151, 136) }
```

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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