

# Converting Colors

$Y_{xy}(47.5472, 0.3539, 0.3575)$

Have a look what the booklet for  
Yxy(47.5472, 0.3539, 0.3575)  
contains.

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# Color

**Yxy(47.5119, 0.3536, 0.3567)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCB39D
RGB	204, 179, 157
RGB Percent	80%, 70%, 62%
CMY	0.2002, 0.2980, 0.3843
CMYK	0.00, 0.12, 0.23, 0.20
HSL	28°, 32%, 71%
HSV	28°, 23%, 80%
XYZ	47.0990, 47.5119, 38.5876
YIQ	183.9670, 21.9620, -1.5420

# Conversions

## Conversions Part 2

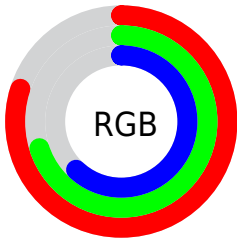
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 198, 157
Decimal	13415325
CIE <sub>Lab</sub>	74.52, 5.51, 14.53
CIE <sub>LCh</sub>	75, 15.538, 69.231
Yxy	47.5119, 0.3536, 0.3567
Android (android.graphics.Color)	4291605405 (0xFFCCB39D)
YUV	183.9670, -13.2947, 17.5689
Hunter-Lab	68.9289, 1.3432, 15.0586

# Details

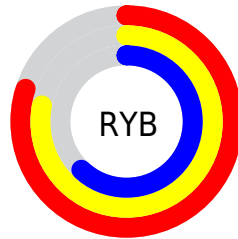
The Yxy color  $47.5119, 0.3536, 0.3567$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $44.9573, 0.2767, 0.2996$ , and the grayscale version is  $47.9782, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.4301, 0.3413, 0.3520$ , and  $22.3519, 0.3647, 0.3630$  is the 20% darker color. If you saturate the color by 10%, you get  $42.7011, 0.3756, 0.3694$ , and if you desaturate by 10%, it is  $52.7845, 0.3342, 0.3443$ .

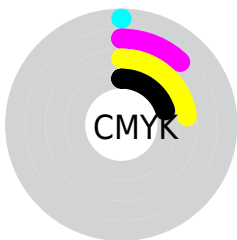
# Distribution



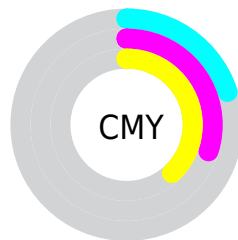
- Red (80%)
- Green (70%)
- Blue (62%)



- Red (80%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (12%)
- Yellow (23%)
- Black (20%)




- Cyan (20%)
- Magenta (30%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5119, 0.3536, 0.3567 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 47.5119, 0.3536, 0.3567 by changing the saturation by 10% instead.





 47.5119, 0.3536,  
0.3567


 47.5119, 0.3536,  
0.3567


376.8541, 0.3331,  
0.3432

 33.4405, 0.3587,  
0.3600


 86.4772, 0.3462,  
0.3519

 22.4641, 0.3652,  
0.3641


 112.1400, 0.3434,  
0.3500

 14.1983, 0.3739,  
0.3695


142.4353, 0.3410,  
0.3484

 8.2587, 0.3860,  
0.3768

177.7475, 0.3390,  
0.3471

 4.2609, 0.4037,  
0.3870

218.4612, 0.3372,  
0.3459

 1.8206, 0.4338,  
0.4035

264.9605, 0.3357,

 0.5000, 0.5494,

0.3449

0.4506

317.6301, 0.3343,  
0.3440

0.0000, 0.0000,  
0.0000

47.5119, 0.3536,  
0.3567

47.5119, 0.3536,  
0.3567

42.7011, 0.3756,  
0.3694

52.7845, 0.3342,  
0.3443

38.3319, 0.4002,  
0.3819

58.5252, 0.3174,  
0.3324

34.3923, 0.4272,  
0.3933

64.7486, 0.3027,  
0.3214

30.8669, 0.4558,  
0.4027

71.4664, 0.2900,  
0.3111

27.7393, 0.4847,  
0.4087

78.4310, 0.2812,  
0.3058

■ 24.9915, 0.5121,  
0.4101

■ 84.7598, 0.2819,  
0.3174

■ 22.6033, 0.5361,  
0.4061

■ 91.4716, 0.2827,  
0.3288

■ 21.1310, 0.5508,  
0.4008

■ 91.5712, 0.2827,  
0.3289

# Harmonies

## Analogous

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



47.5119, 0.3545, 0.3405



47.5119, 0.3536, 0.3567



47.5119, 0.3414, 0.3662

# Triad

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



47.5119, 0.3536, 0.3567



47.5119, 0.2824, 0.3351



47.5119, 0.3026, 0.2954

# Complementary

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



47.5119, 0.3536, 0.3567



44.9573, 0.2767, 0.2996

# 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.



47.5119, 0.2840, 0.2931



47.5119, 0.3536, 0.3567



47.5119, 0.2727, 0.3152

# Square

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



47.5119, 0.3536, 0.3567



47.5119, 0.3002, 0.3539



47.5119, 0.2733, 0.3000



47.5119, 0.3245, 0.3059



# Rectangle

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



47.5119, 0.3536, 0.3567



47.5119, 0.3288, 0.3670



47.5119, 0.2733, 0.3000



47.5119, 0.2957, 0.2937

# Sweetspot

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



47.5141, 0.3536, 0.3567



93.0031, 0.3240, 0.3372



40.3257, 0.3353, 0.2978



19.7814, 0.3250, 0.3379



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.



47.5141, 0.3536, 0.3567



74.3710, 0.3650, 0.3635



57.6907, 0.3475, 0.3842



12.0665, 0.3278, 0.3399



13.4893, 0.5486, 0.4026



0.8474, 0.5169, 0.4278

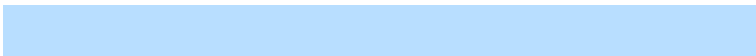


# Inverse Universe

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



44.9573, 0.2767, 0.2996



69.3488, 0.2681, 0.2918



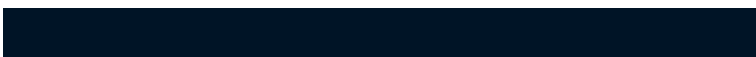
36.1742, 0.2741, 0.2671



11.8139, 0.2983, 0.3179



9.7281, 0.1804, 0.1696



0.6530, 0.1898, 0.2033



# Previews

## White Background



This preview shows how the Yxy color 47.5119, 0.3536, 0.3567 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 47.5119, 0.3536, 0.3567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

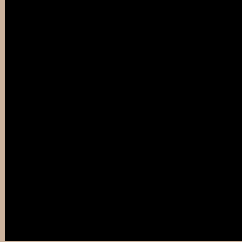
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.5119, 0.3536, 0.3567**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.5119, 0.3536, 0.3567.



This preview shows how white text looks on a background with the Yxy color 47.5119, 0.3536, 0.3567.

# 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

47.5119, 0.3536, 0.3567

### Protanopia

47.5766, 0.3401, 0.3601

### Deuteranopia

47.5802, 0.3598, 0.3538



## Tritanopia

47.7007, 0.3312, 0.3133

# Trichromacy



**Original Color**

47.5119, 0.3536, 0.3567

**Protanomaly**

47.6603, 0.3447, 0.3598

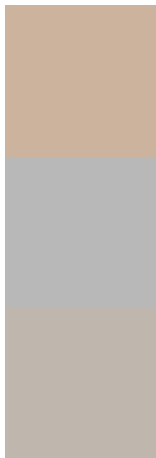
**Deuteranomaly**

47.6850, 0.3576, 0.3551

**Tritanomaly**

47.4904, 0.3396, 0.3279

# Monochromacy



**Original Color**

47.5119, 0.3536, 0.3567

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

47.5883, 0.3269, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5119, 0.3536, 0.3567 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(204, 179, 157)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 157)  
}
```

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(204, 179, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5119, 0.3536, 0.3567 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(204, 179, 157) }
```

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

```
.border{ border-color:rgb(204, 179, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 179, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 179, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 179, 157);  
box-shadow:4px 4px 4px 4px rgb(204, 179,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5119, 0.3536, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 179, 157) }
```

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

```
.background{ background-color: rgb(204,  
179, 157) }
```

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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