

# Converting Colors

$Yxy(46.8633, 0.3546, 0.3553)$

Have a look what the booklet for  
Yxy(46.8633, 0.3546, 0.3553)  
contains.

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# Color

**Yxy(46.7160, 0.3542, 0.3542)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCB19D
RGB	204, 177, 157
RGB Percent	80%, 69%, 62%
CMY	0.1999, 0.3059, 0.3843
CMYK	0.00, 0.13, 0.23, 0.20
HSL	25°, 32%, 71%
HSV	25°, 23%, 80%
XYZ	46.7160, 46.7160, 38.4596
YIQ	182.7930, 22.5120, -0.4960

# Conversions

## Conversions Part 2

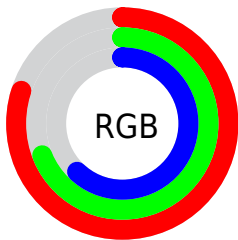
Format	Color
R <sub>Y</sub> B	204, 192, 157
Decimal	13414813
CIE Lab	74.01, 6.63, 13.81
CIE LCh	74, 15.316, 64.369
Yxy	46.7160, 0.3542, 0.3542
Android (android.graphics.Color)	4291604893 (0xFFCCB19D)
YUV	182.7930, -12.7159, 18.5985
Hunter-Lab	68.3491, 2.3922, 14.4823

# Details

The Yxy color  $46.7160, 0.3542, 0.3542$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $45.8311, 0.2768, 0.3024$ , and the grayscale version is  $47.2992, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.2913, 0.3417, 0.3501$ , and  $21.8455, 0.3656, 0.3597$  is the 20% darker color. If you saturate the color by 10%, you get  $41.6414, 0.3768, 0.3658$ , and if you desaturate by 10%, it is  $52.3097, 0.3345, 0.3429$ .

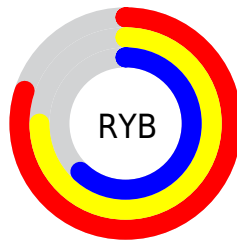
# Distribution



Red (80%)

Green (69%)

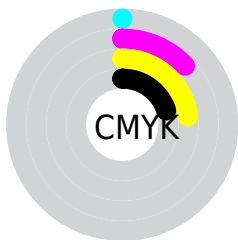
Blue (62%)



Red (80%)

Yellow (75%)

Blue (62%)

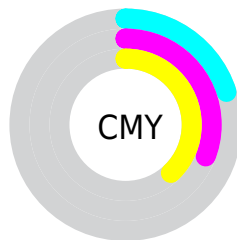


Cyan (0%)

Magenta (13%)

Yellow (23%)

Black (20%)



Cyan (20%)

Magenta (31%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7160, 0.3542, 0.3542 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 46.7160, 0.3542, 0.3542 by changing the saturation by 10% instead.





 46.7160, 0.3542,  
0.3542


 46.7160, 0.3542,  
0.3542


373.6798, 0.3334,  
0.3419

 32.8112, 0.3594,  
0.3572


 85.2895, 0.3466,  
0.3498

 21.9819, 0.3661,  
0.3609


 110.7271, 0.3438,  
0.3481

 13.8436, 0.3751,  
0.3658


140.7776, 0.3414,  
0.3467

 8.0119, 0.3875,  
0.3723

175.8256, 0.3393,  
0.3455

 4.1026, 0.4060,  
0.3815

216.2555, 0.3375,  
0.3444

 1.7311, 0.4378,  
0.3965

262.4515, 0.3360,

 0.4437, 0.5680,

0.3435

0.4320

314.7981, 0.3346,  
0.3426

0.0000, 0.0000,  
0.0000

46.7160, 0.3542,  
0.3542

46.7160, 0.3542,  
0.3542

41.6414, 0.3768,  
0.3658

52.3097, 0.3345,  
0.3429

37.0637, 0.4025,  
0.3772

58.4311, 0.3174,  
0.3321

32.9685, 0.4309,  
0.3875

65.0966, 0.3027,  
0.3221

29.3380, 0.4612,  
0.3959

72.3201, 0.2901,  
0.3128

26.1532, 0.4923,  
0.4009

79.8524, 0.2814,  
0.3084

■ 23.3932, 0.5220,  
0.4013

■ 86.8182, 0.2822,  
0.3210

■ 21.0349, 0.5479,  
0.3965

■ 91.5811, 0.2827,  
0.3289

■ 19.6105, 0.5636,  
0.3907

# Harmonies

## Analogous

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



46.7160, 0.3531, 0.3375



46.7160, 0.3542, 0.3542



46.7160, 0.3438, 0.3650

# Triad

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



46.7160, 0.3542, 0.3542



46.7160, 0.2850, 0.3383



46.7160, 0.2993, 0.2948

# Complementary

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



46.7160, 0.3542, 0.3542



45.8311, 0.2768, 0.3024

# 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.



46.7160, 0.2819, 0.2939



46.7160, 0.3542, 0.3542



46.7160, 0.2739, 0.3183

# Square

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



46.7160, 0.3542, 0.3542



46.7160, 0.3036, 0.3562



46.7160, 0.2728, 0.3022



46.7160, 0.3209, 0.3040



# Rectangle

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



46.7160, 0.3542, 0.3542



46.7160, 0.3320, 0.3669



46.7160, 0.2728, 0.3022



46.7160, 0.2928, 0.2935

# Sweetspot

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



46.7181, 0.3542, 0.3542



92.5284, 0.3240, 0.3364



40.4394, 0.3331, 0.2950



19.6715, 0.3251, 0.3371



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.



46.7181, 0.3542, 0.3542



72.7689, 0.3659, 0.3604



56.6348, 0.3482, 0.3816



11.9844, 0.3280, 0.3389



12.5159, 0.5612, 0.3926



0.7950, 0.5269, 0.4199

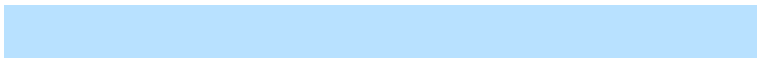


# Inverse Universe

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



45.8311, 0.2768, 0.3024



71.0254, 0.2684, 0.2953



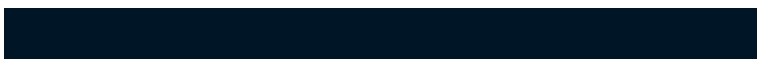
36.9970, 0.2743, 0.2704



11.8972, 0.2983, 0.3189



10.9840, 0.1847, 0.1847



0.7152, 0.1933, 0.2157



# Previews

## White Background



This preview shows how the Yxy color 46.7160, 0.3542, 0.3542 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 46.7160, 0.3542, 0.3542 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

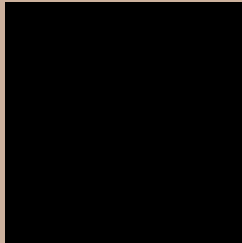
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.7160, 0.3542, 0.3542**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.7160, 0.3542, 0.3542.



This preview shows how white text looks on a background with the Yxy color 46.7160, 0.3542, 0.3542.

# 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

46.7160, 0.3542, 0.3542

### Protanopia

47.0355, 0.3394, 0.3589

### Deuteranopia

46.5042, 0.3585, 0.3515



## Tritanopia

46.8422, 0.3332, 0.3133

# Trichromacy



**Original Color**

46.7160, 0.3542, 0.3542

**Protanomaly**

46.8469, 0.3452, 0.3573

**Deuteranomaly**

46.7504, 0.3573, 0.3528

**Tritanomaly**

46.6326, 0.3417, 0.3279

# Monochromacy



**Original Color**

46.7160, 0.3542, 0.3542

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

47.1801, 0.3271, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7160, 0.3542, 0.3542 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, 177, 157)` looks like.

```
.text, #text, p{  
    color:rgb(204, 177, 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, 177, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 177, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7160, 0.3542, 0.3542 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, 177, 157) }
```

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

```
.border{ border-color:rgb(204, 177, 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, 177, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 177, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 177, 157);  
box-shadow:4px 4px 4px 4px rgb(204, 177,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7160, 0.3542, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 177, 157) }
```

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

```
.background{ background-color: rgb(204,  
177, 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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