

# Converting Colors

$Yxy(48.8535, 0.3556, 0.3586)$

Have a look what the booklet for  
Yxy(48.8535, 0.3556, 0.3586)  
contains.

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# Color

**Yxy(48.7475, 0.3558, 0.3588)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFB59D
RGB	207, 181, 157
RGB Percent	81%, 71%, 62%
CMY	0.1883, 0.2902, 0.3842
CMYK	0.00, 0.13, 0.24, 0.19
HSL	29°, 34%, 71%
HSV	29°, 24%, 81%
XYZ	48.3399, 48.7475, 38.7752
YIQ	186.0380, 23.2000, -1.9520

# Conversions

## Conversions Part 2

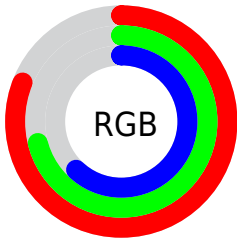
Format	Color
RYP	207, 203, 157
Decimal	13612445
CIELab	75.29, 5.60, 15.64
CIElCh	75, 16.614, 70.296
Yxy	48.7475, 0.3558, 0.3588
Android (android.graphics.Color)	4291802525 (0xFFCFB59D)
YUV	186.0380, -14.3157, 18.3837
Hunter-Lab	69.8194, 1.4016, 15.9461

# Details

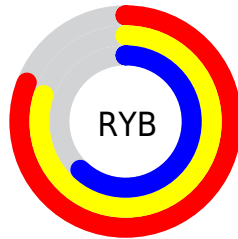
The Yxy color **48.7475, 0.3558, 0.3588** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.5453, 0.2748, 0.2972**, and the grayscale version is **49.1985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5818, 0.3410, 0.3540**, and **23.1544, 0.3676, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **43.8918, 0.3779, 0.3718**, and if you desaturate by 10%, it is **54.0655, 0.3362, 0.3460**.

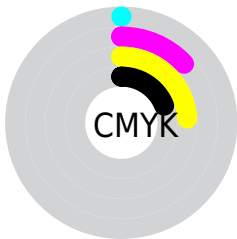
# Distribution



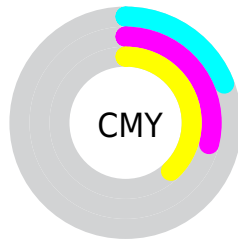
- Red (81%)
- Green (71%)
- Blue (62%)



- Red (81%)
- Yellow (80%)
- Blue (62%)



- Cyan (0%)
- Magenta (13%)
- Yellow (24%)
- Black (19%)




- Cyan (19%)
- Magenta (29%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7475, 0.3558, 0.3588 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 48.7475, 0.3558, 0.3588 by changing the saturation by 10% instead.





 48.7475, 0.3558,  
0.3588


 48.7475, 0.3558,  
0.3588


381.7474, 0.3343,  
0.3443

 34.4192, 0.3611,  
0.3623


 88.3163, 0.3480,  
0.3536

 23.2158, 0.3679,  
0.3667


 114.3257, 0.3451,  
0.3517

 14.7530, 0.3769,  
0.3724


144.9975, 0.3426,  
0.3500

 8.6462, 0.3893,  
0.3800

180.7161, 0.3405,  
0.3485

 4.5111, 0.4074,  
0.3906

221.8661, 0.3386,  
0.3473

 1.9634, 0.4373,  
0.4072

268.8317, 0.3370,

 0.5861, 0.5421,

0.3462

0.4579

321.9973, 0.3356,  
0.3452

0.0000, 0.0000,  
0.0000

48.7475, 0.3558,  
0.3588

48.7475, 0.3558,  
0.3588

43.8918, 0.3779,  
0.3718

54.0655, 0.3362,  
0.3460

39.4782, 0.4026,  
0.3845

59.8523, 0.3191,  
0.3338

35.4945, 0.4295,  
0.3960

66.1222, 0.3042,  
0.3224

31.9254, 0.4577,  
0.4053

72.8873, 0.2913,  
0.3118

28.7541, 0.4861,  
0.4111

79.7979, 0.2831,  
0.3077

■ 25.9624, 0.5127,  
0.4121

■ 86.1423, 0.2838,  
0.3191

■ 23.5297, 0.5357,  
0.4077

■ 92.0025, 0.2844,  
0.3289

■ 22.2532, 0.5477,  
0.4033

# Harmonies

## Analogous

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



48.7475, 0.3572, 0.3418



48.7475, 0.3558, 0.3588



48.7475, 0.3425, 0.3686

# Triad

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



48.7475, 0.3558, 0.3588



48.7475, 0.2800, 0.3346



48.7475, 0.3027, 0.2938

# Complementary

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



48.7475, 0.3558, 0.3588



45.5453, 0.2748, 0.2972

# 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.



48.7475, 0.2829, 0.2910



48.7475, 0.3558, 0.3588



48.7475, 0.2702, 0.3136

# Square

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



48.7475, 0.3558, 0.3588



48.7475, 0.2986, 0.3548



48.7475, 0.2712, 0.2979



48.7475, 0.3260, 0.3051



# Rectangle

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



48.7475, 0.3558, 0.3588



48.7475, 0.3290, 0.3692



48.7475, 0.2712, 0.2979



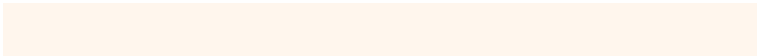
48.7475, 0.2955, 0.2918

# Sweetspot

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



48.7497, 0.3558, 0.3588



93.1234, 0.3239, 0.3374



40.8356, 0.3367, 0.2962



19.8092, 0.3250, 0.3381



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.



48.7497, 0.3558, 0.3588



73.9907, 0.3670, 0.3656



59.5115, 0.3493, 0.3869



12.7311, 0.3279, 0.3402



14.2109, 0.5455, 0.4051



0.9531, 0.5164, 0.4282

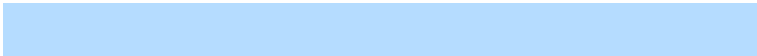


# Inverse Universe

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



45.5453, 0.2748, 0.2972



67.9757, 0.2663, 0.2893



36.3692, 0.2720, 0.2636



12.4201, 0.2983, 0.3176



9.7383, 0.1793, 0.1656



0.7030, 0.1883, 0.1979



# Previews

## White Background



This preview shows how the Yxy color 48.7475, 0.3558, 0.3588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

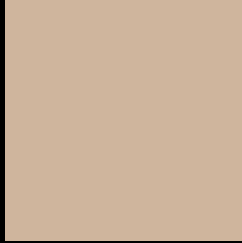
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7475, 0.3558, 0.3588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

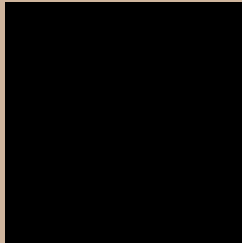
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7475, 0.3558, 0.3588**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7475, 0.3558, 0.3588.



This preview shows how white text looks on a background with the Yxy color 48.7475, 0.3558, 0.3588.

# 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

48.7475, 0.3558, 0.3588

### Protanopia

48.8032, 0.3423, 0.3623

### Deuteranopia

48.8550, 0.3610, 0.3547



## Tritanopia

48.6173, 0.3320, 0.3123

# Trichromacy



## Original Color

48.7475, 0.3558, 0.3588

## Protanomaly

48.8917, 0.3470, 0.3620

## Deuteranomaly

48.9600, 0.3589, 0.3560

## Tritanomaly

48.7568, 0.3411, 0.3291

# Monochromacy



## Original Color

48.7475, 0.3558, 0.3588

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.8455, 0.3285, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7475, 0.3558, 0.3588 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, 181, 157)` looks like.

```
.text, #text, p{  
    color:rgb(207, 181, 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(207, 181, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 181, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7475, 0.3558, 0.3588 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, 181, 157) }
```

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

```
.border{ border-color:rgb(207, 181, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 181, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 181, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 181, 157);  
box-shadow:4px 4px 4px 4px rgb(207, 181,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7475, 0.3558, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 181, 157) }
```

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

```
.background{ background-color: rgb(207,  
181, 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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