

# Converting Colors

$Yxy(59.4035, 0.3455, 0.3575)$

Have a look what the booklet for  
Yxy(59.4035, 0.3455, 0.3575)  
contains.

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# Color

**Yxy(59.3486, 0.3453, 0.3570)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAC8B0
RGB	218, 200, 176
RGB Percent	85%, 78%, 69%
CMY	0.1451, 0.2157, 0.3099
CMYK	0.00, 0.08, 0.19, 0.15
HSL	34°, 36%, 77%
HSV	34°, 19%, 85%
XYZ	57.4036, 59.3486, 49.4904
YIQ	202.6460, 18.4320, -3.6480

# Conversions

## Conversions Part 2

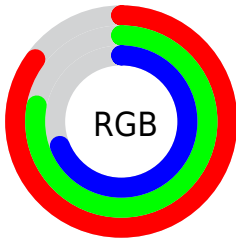
Format	Color
R <sub>Y</sub> B	208, 218, 176
Decimal	14338224
CIE Lab	81.48, 2.45, 14.30
CIE LCh	81, 14.509, 80.259
Yxy	59.3486, 0.3453, 0.3570
Android (android.graphics.Color)	4292528304 (0xFFDAC8B0)
YUV	202.6460, -13.1365, 13.4655
Hunter-Lab	77.0380, -1.8104, 15.8378

# Details

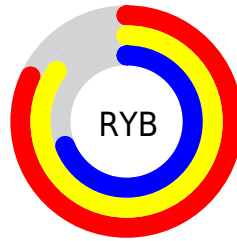
The Yxy color  $59.3486, 0.3453, 0.3570$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $52.8627, 0.2822, 0.2993$ , and the grayscale version is  $59.5636, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.6062, 0.3262, 0.3513$ , and  $29.7744, 0.3545, 0.3645$  is the 20% darker color. If you saturate the color by 10%, you get  $54.3627, 0.3652, 0.3723$ , and if you desaturate by 10%, it is  $64.7425, 0.3275, 0.3421$ .

# Distribution



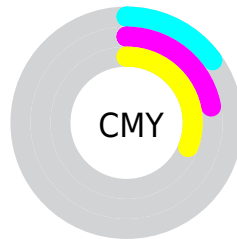
- Red (85%)
- Green (78%)
- Blue (69%)



- Red (82%)
- Yellow (85%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (19%)
- Black (15%)




- Cyan (15%)
- Magenta (22%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3486, 0.3453, 0.3570 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 59.3486, 0.3453, 0.3570 by changing the saturation by 10% instead.



 59.3486, 0.3453,  
0.3570

 59.3486, 0.3453,  
0.3570


422.1925, 0.3296,  
0.3437

 42.8938, 0.3490,  
0.3601

 103.8841, 0.3397,  
0.3523

 29.8018, 0.3537,  
0.3641


132.7337, 0.3376,  
0.3505

 19.6882, 0.3598,  
0.3691

166.4836, 0.3358,  
0.3489

 12.1686, 0.3679,  
0.3758

205.5183, 0.3342,  
0.3476

 6.8586, 0.3793,  
0.3850

250.2221, 0.3329,  
0.3464

 3.3738, 0.3964,  
0.3986

300.9795, 0.3317,

 1.3299, 0.4395,

0.3454

0.4348

358.1749, 0.3306,  
0.3445

0.1642, 0.5681,  
0.4319

0.0000, 0.0000,  
0.0000

59.3486, 0.3453,  
0.3570

59.3486, 0.3453,  
0.3570

54.3627, 0.3652,  
0.3723

64.7425, 0.3275,  
0.3421

49.7656, 0.3870,  
0.3875

70.5472, 0.3116,  
0.3280

45.5480, 0.4105,  
0.4020

76.7756, 0.2977,  
0.3148

41.6971, 0.4349,  
0.4145

82.8995, 0.2899,  
0.3107

■ 38.1992, 0.4593,  
0.4241

■ 88.4585, 0.2903,  
0.3204

■ 35.0391, 0.4824,  
0.4294

■ 93.6465, 0.2906,  
0.3289

■ 32.1997, 0.5029,  
0.4296

■ 29.6560, 0.5199,  
0.4248

■ 29.4825, 0.5212,  
0.4244

# Harmonies

## Analogous

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



59.3486, 0.3498, 0.3447



59.3486, 0.3453, 0.3570



59.3486, 0.3319, 0.3621

# Triad

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



59.3486, 0.3453, 0.3570



59.3486, 0.2823, 0.3278



59.3486, 0.3109, 0.3023

# Complementary

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



59.3486, 0.3453, 0.3570



52.8627, 0.2822, 0.2993

# 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.



59.3486, 0.2931, 0.2976



59.3486, 0.3453, 0.3570



59.3486, 0.2770, 0.3116

# Square

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



59.3486, 0.3453, 0.3570



59.3486, 0.2956, 0.3450



59.3486, 0.2809, 0.3008



59.3486, 0.3296, 0.3137



# Rectangle

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



59.3486, 0.3453, 0.3570



59.3486, 0.3200, 0.3603



59.3486, 0.2809, 0.3008



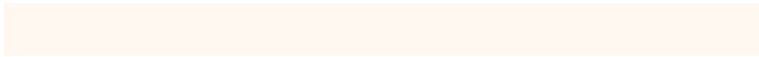
59.3486, 0.3046, 0.2999

# Sweetspot

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



59.3513, 0.3453, 0.3570



94.9436, 0.3221, 0.3375



49.8509, 0.3346, 0.3078



20.2069, 0.3232, 0.3384



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.



59.3513, 0.3453, 0.3570



81.7891, 0.3529, 0.3630



67.7583, 0.3395, 0.3771



14.2812, 0.3277, 0.3424



17.8794, 0.5192, 0.4259



1.3281, 0.4986, 0.4423



# Inverse Universe

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



52.8627, 0.2822, 0.2993



70.9635, 0.2757, 0.2925



45.6603, 0.2830, 0.2766



13.5296, 0.2982, 0.3153



7.9655, 0.1710, 0.1356

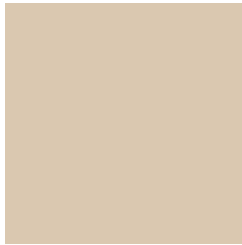


0.6848, 0.1799, 0.1675



# Previews

## White Background



This preview shows how the Yxy color 59.3486, 0.3453, 0.3570 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 59.3486, 0.3453, 0.3570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

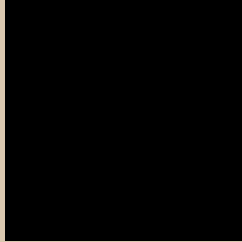
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

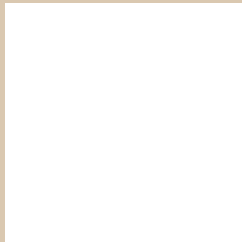
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.3486, 0.3453, 0.3570**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.3486, 0.3453, 0.3570.



This preview shows how white text looks on a background with the Yxy color 59.3486, 0.3453, 0.3570.

# 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

59.3486, 0.3453, 0.3570

### Protanopia

59.4124, 0.3392, 0.3585

### Deuteranopia

59.1935, 0.3565, 0.3494



## Tritanopia

59.2130, 0.3231, 0.3122

# Trichromacy



## Original Color

59.3486, 0.3453, 0.3570

## Protanomaly

59.2438, 0.3410, 0.3572

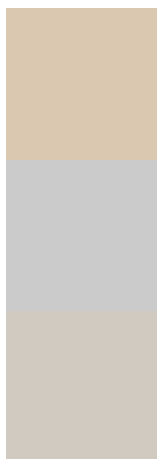
## Deuteranomaly

59.2756, 0.3518, 0.3519

## Tritanomaly

59.3819, 0.3312, 0.3279

# Monochromacy



## Original Color

59.3486, 0.3453, 0.3570

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

59.5012, 0.3240, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.3486, 0.3453, 0.3570 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(218, 200, 176)` looks like.

```
.text, #text, p{  
    color:rgb(218, 200, 176)  
}
```

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(218, 200, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 200, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 59.3486, 0.3453, 0.3570 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(218, 200, 176) }
```

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

```
.border{ border-color:rgb(218, 200, 176) }
```

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

Here you see how a box with a 4 pixel rgb(218, 200, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 200, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 200, 176);  
box-shadow:4px 4px 4px 4px rgb(218, 200,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.3486, 0.3453, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 200, 176) }
```

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

```
.background{ background-color: rgb(218,  
200, 176) }
```

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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