

# Converting Colors

$Yxy(52.8545, 0.3682, 0.3608)$

Have a look what the booklet for  
Yxy(52.8545, 0.3682, 0.3608)  
contains.

<b>Yxy(52.8545, 0.3682, 0.3608)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(52.8545, 0.3682, 0.3608)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFB99E
RGB	223, 185, 158
RGB Percent	87%, 73%, 62%
CMY	0.1257, 0.2744, 0.3805
CMYK	0.00, 0.17, 0.29, 0.13
HSL	25°, 50%, 75%
HSV	25°, 29%, 87%
XYZ	53.9385, 52.8545, 39.6995
YIQ	193.2840, 31.3150, -0.3410

# Conversions

## Conversions Part 2

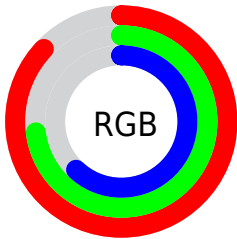
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 204, 158
Decimal	14662046
CIE Lab	77.79, 9.70, 18.83
CIE LCh	78, 21.175, 62.750
Yxy	52.8545, 0.3682, 0.3608
Android (android.graphics.Color)	4292852126 (0xFFDFB99E)
YUV	193.2840, -17.3950, 26.0609
Hunter-Lab	72.7011, 5.2061, 18.5146

# Details

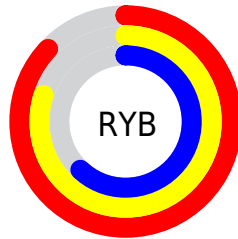
The Yxy color  $52.8545, 0.3682, 0.3608$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $52.0293, 0.2670, 0.2948$ , and the grayscale version is  $53.5929, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.9747, 0.3397, 0.3568$ , and  $25.7796, 0.3829, 0.3678$  is the 20% darker color. If you saturate the color by 10%, you get  $46.9584, 0.3930, 0.3722$ , and if you desaturate by 10%, it is  $59.3932, 0.3464, 0.3494$ .

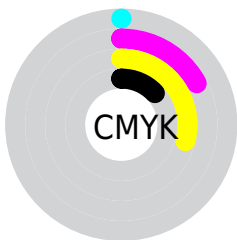
# Distribution



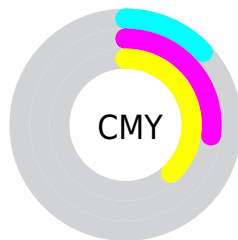
- Red (87%)
- Green (73%)
- Blue (62%)



- Red (87%)
- Yellow (80%)
- Blue (62%)



- Cyan (0%)
- Magenta (17%)
- Yellow (29%)
- Black (13%)



- Cyan (13%)
- Magenta (27%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8545, 0.3682, 0.3608 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 52.8545, 0.3682, 0.3608 by changing the saturation by 10% instead.



 52.8545, 0.3682,  
0.3608

 52.8545, 0.3682,  
0.3608


397.7266, 0.3409,  
0.3458

 37.6866, 0.3749,  
0.3643


 94.3902, 0.3584,  
0.3556

 25.7396, 0.3833,  
0.3685


 121.5269, 0.3547,  
0.3535

 16.6289, 0.3943,  
0.3739


153.4219, 0.3515,  
0.3518

 9.9703, 0.4093,  
0.3808

190.4597, 0.3488,  
0.3503

 5.3792, 0.4306,  
0.3898

233.0247, 0.3464,  
0.3489

 2.4715, 0.4635,  
0.4019

281.5013, 0.3444,

 0.8623, 0.5549,

0.3478

0.4451

336.2738, 0.3425,  
0.3467

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.8545, 0.3682,  
0.3608

52.8545, 0.3682,  
0.3608

46.9584, 0.3930,  
0.3722

59.3932, 0.3464,  
0.3494

41.6768, 0.4209,  
0.3828

66.5869, 0.3276,  
0.3385

36.9899, 0.4512,  
0.3919

74.4569, 0.3114,  
0.3281

32.8741, 0.4827,  
0.3981

83.0213, 0.2975,  
0.3185

■ 29.3036, 0.5138,  
0.4001

■ 91.3308, 0.2933,  
0.3240

■ 26.2501, 0.5418,  
0.3969

■ 94.4195, 0.2934,  
0.3289

■ 23.6767, 0.5651,  
0.3887

■ 23.4745, 0.5671,  
0.3879

# Harmonies

## Analogous

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



52.8545, 0.3660, 0.3384



52.8545, 0.3682, 0.3608



52.8545, 0.3549, 0.3762

# Triad

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



52.8545, 0.3682, 0.3608



52.8545, 0.2772, 0.3426



52.8545, 0.2934, 0.2838

# Complementary

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



52.8545, 0.3682, 0.3608



52.0293, 0.2670, 0.2948

# 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.



52.8545, 0.2711, 0.2831



52.8545, 0.3682, 0.3608



52.8545, 0.2621, 0.3157

# Square

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



52.8545, 0.3682, 0.3608



52.8545, 0.3019, 0.3665



52.8545, 0.2600, 0.2942



52.8545, 0.3218, 0.2953



# Rectangle

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



52.8545, 0.3682, 0.3608



52.8545, 0.3394, 0.3797



52.8545, 0.2600, 0.2942



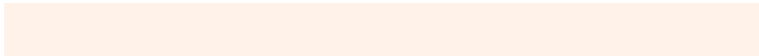
52.8545, 0.2850, 0.2823

# Sweetspot

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



52.8569, 0.3682, 0.3608



90.3576, 0.3275, 0.3384



44.1577, 0.3392, 0.2841



19.0218, 0.3301, 0.3400



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.



52.8569, 0.3682, 0.3608



66.6700, 0.3830, 0.3678



67.4905, 0.3585, 0.3949



14.6333, 0.3282, 0.3388



14.0215, 0.5644, 0.3900



1.1457, 0.5369, 0.4119

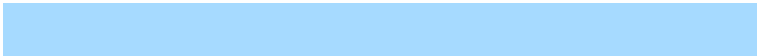


# Inverse Universe

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



52.0293, 0.2670, 0.2948



65.3636, 0.2574, 0.2864



39.3160, 0.2625, 0.2532



14.5660, 0.2981, 0.3190



12.7747, 0.1853, 0.1871



1.0610, 0.1920, 0.2112



# Previews

## White Background



This preview shows how the Yxy color 52.8545, 0.3682, 0.3608 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 52.8545, 0.3682, 0.3608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

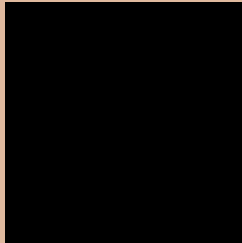
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.8545, 0.3682, 0.3608**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8545, 0.3682, 0.3608.



This preview shows how white text looks on a background with the Yxy color 52.8545, 0.3682, 0.3608.

# 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

52.8545, 0.3682, 0.3608

### Protanopia

52.9690, 0.3461, 0.3674

### Deuteranopia

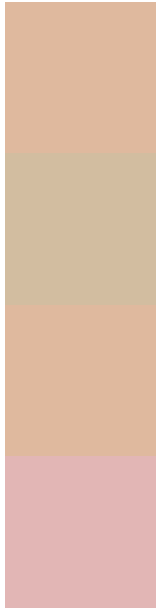
52.8545, 0.3682, 0.3608



## Tritanopia

52.8685, 0.3420, 0.3132

# Trichromacy



**Original Color**

52.8545, 0.3682, 0.3608

**Protanomaly**

52.6349, 0.3538, 0.3643

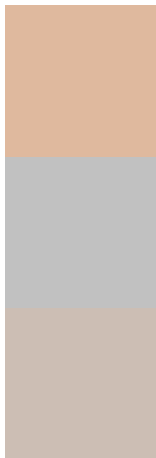
**Deuteranomaly**

52.8545, 0.3682, 0.3608

**Tritanomaly**

52.9608, 0.3519, 0.3303

# Monochromacy



**Original Color**

52.8545, 0.3682, 0.3608

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

52.9596, 0.3322, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8545, 0.3682, 0.3608 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(223, 185, 158)` looks like.

```
.text, #text, p{  
    color:rgb(223, 185, 158)  
}
```

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(223, 185, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 185, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8545, 0.3682, 0.3608 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(223, 185, 158) }
```

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

```
.border{ border-color:rgb(223, 185, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 185, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 185, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 185, 158); box-shadow:4px 4px 4px 4px rgb(223, 185, 158) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8545, 0.3682, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 185, 158) }
```

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

```
.background{ background-color: rgb(223,  
185, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor