

# Converting Colors

$Yxy(64.0824, 0.3573, 0.3866)$

Have a look what the booklet for  
Yxy(64.0824, 0.3573, 0.3866)  
contains.

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# Color

**Yxy(64.0034, 0.3573, 0.3862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDD2A0
RGB	221, 210, 160
RGB Percent	87%, 82%, 63%
CMY	0.1333, 0.1765, 0.3724
CMYK	0.00, 0.05, 0.28, 0.13
HSL	49°, 47%, 75%
HSV	49°, 28%, 87%
XYZ	59.2139, 64.0034, 42.5087
YIQ	207.5890, 22.6060, -13.2180

# Conversions

## Conversions Part 2

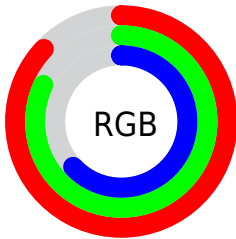
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 221, 160
Decimal	14537376
CIELab	83.97, -3.86, 26.18
CIELCh	84, 26.467, 98.382
Yxy	64.0034, 0.3573, 0.3862
Android (android.graphics.Color)	4292727456 (0xFFDDD2A0)
YUV	207.5890, -23.4614, 11.7614
Hunter-Lab	80.0021, -7.8862, 24.4980

# Details

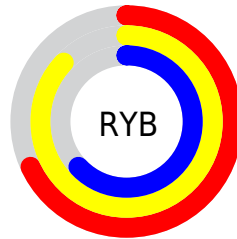
The Yxy color **64.0034, 0.3573, 0.3862** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.8402, 0.2662, 0.2644**, and the grayscale version is **62.9439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **32.8590, 0.3676, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **61.3551, 0.3747, 0.4071**, and if you desaturate by 10%, it is **66.8440, 0.3403, 0.3650**.

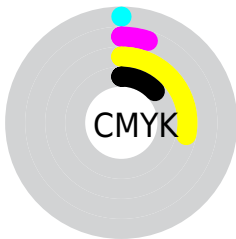
# Distribution



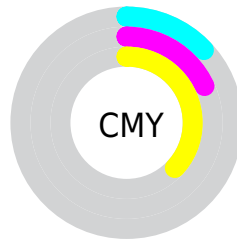
- Red (87%)
- Green (82%)
- Blue (63%)



- Red (68%)
- Yellow (87%)
- Blue (63%)



- Cyan (0%)
- Magenta (5%)
- Yellow (28%)
- Black (13%)




- Cyan (13%)
- Magenta (18%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0034, 0.3573, 0.3862 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 64.0034, 0.3573, 0.3862 by changing the saturation by 10% instead.




 64.0034, 0.3573,  
0.3862

 64.0034, 0.3573,  
0.3862


439.2019, 0.3365,  
0.3591

 46.6534, 0.3621,  
0.3925


 110.6158, 0.3501,  
0.3767

 32.7618, 0.3679,  
0.4004


 140.6471, 0.3473,  
0.3730

 21.9440, 0.3752,  
0.4103


175.6742, 0.3448,  
0.3698

 13.8158, 0.3847,  
0.4234

216.0816, 0.3427,  
0.3671

 7.9926, 0.3970,  
0.4410

262.2537, 0.3409,  
0.3647

 4.0902, 0.4135,  
0.4656

314.5748, 0.3392,

 1.7242, 0.4646,

0.3626

0.5354

373.4295, 0.3378,  
0.3607

0.4392, 0.4240,  
0.5760

0.0000, 0.0000,  
0.0000

64.0034, 0.3573,  
0.3862

64.0034, 0.3573,  
0.3862

61.3551, 0.3747,  
0.4071

66.8440, 0.3403,  
0.3650

58.8830, 0.3921,  
0.4268

69.8754, 0.3242,  
0.3442

56.5814, 0.4087,  
0.4444

73.1072, 0.3092,  
0.3243

54.4413, 0.4238,  
0.4588

76.5455, 0.2954,  
0.3054

■ 52.4523, 0.4367,  
0.4692

■ 79.1545, 0.2916,  
0.3031

■ 50.6023, 0.4468,  
0.4750

■ 81.3990, 0.2917,  
0.3073

■ 48.8749, 0.4541,  
0.4764

■ 83.6947, 0.2918,  
0.3114

■ 48.4697, 0.4557,  
0.4764

■ 86.0418, 0.2919,  
0.3156

■ 88.4407, 0.2920,  
0.3197

# Harmonies

## Analogous

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



64.0034, 0.3761, 0.3700



64.0034, 0.3573, 0.3862



64.0034, 0.3270, 0.3866

# Triad

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



64.0034, 0.3573, 0.3862



64.0034, 0.2522, 0.3076



64.0034, 0.3295, 0.2935

# Complementary

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



64.0034, 0.3573, 0.3862



41.8402, 0.2662, 0.2644

# Split Complementary

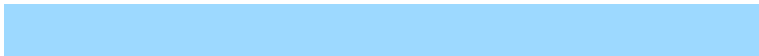
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.0034, 0.2958, 0.2782



64.0034, 0.3573, 0.3862



64.0034, 0.2527, 0.2847

# Square

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



64.0034, 0.3573, 0.3862



64.0034, 0.2669, 0.3389



64.0034, 0.2682, 0.2747



64.0034, 0.3599, 0.3173



# Rectangle

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



64.0034, 0.3573, 0.3862



64.0034, 0.3047, 0.3766



64.0034, 0.2682, 0.2747



64.0034, 0.3182, 0.2873

# Sweetspot

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



64.0063, 0.3573, 0.3862



96.4287, 0.3250, 0.3452



43.4771, 0.3616, 0.3158



20.5003, 0.3274, 0.3483



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.



64.0063, 0.3573, 0.3862



86.4055, 0.3672, 0.3981



66.7685, 0.3394, 0.4012



14.8433, 0.3271, 0.3480



28.3082, 0.4550, 0.4769



1.9404, 0.4482, 0.4823



# Inverse Universe

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



41.8402, 0.2662, 0.2644



50.9939, 0.2554, 0.2487



40.0015, 0.2802, 0.2530



12.9953, 0.2981, 0.3092



4.0279, 0.1548, 0.0772

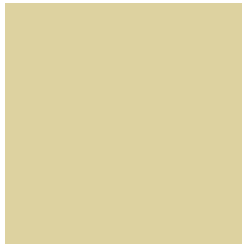


0.3763, 0.1626, 0.1053



# Previews

## White Background



This preview shows how the Yxy color 64.0034, 0.3573, 0.3862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

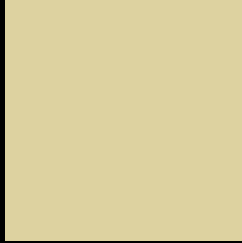
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0034, 0.3573, 0.3862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

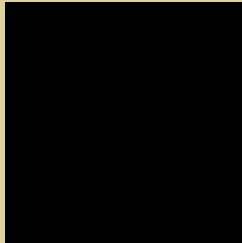
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

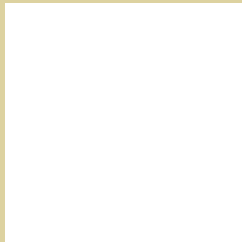
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.0034, 0.3573, 0.3862**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0034, 0.3573, 0.3862.



This preview shows how white text looks on a background with the Yxy color 64.0034, 0.3573, 0.3862.

# 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

64.0034, 0.3573, 0.3862

### Protanopia

63.9863, 0.3601, 0.3847

### Deuteranopia

63.7944, 0.3784, 0.3711



## Tritanopia

63.7970, 0.3212, 0.3116

# Trichromacy



## Original Color

64.0034, 0.3573, 0.3862

## Protanomaly

63.8270, 0.3592, 0.3849

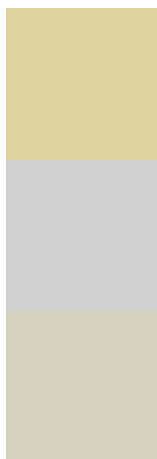
## Deuteranomaly

63.5918, 0.3707, 0.3765

## Tritanomaly

63.7014, 0.3341, 0.3380

# Monochromacy



## Original Color

64.0034, 0.3573, 0.3862

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.5087, 0.3285, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0034, 0.3573, 0.3862 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(221, 210, 160)` looks like.

```
.text, #text, p{  
    color:rgb(221, 210, 160)  
}
```

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(221, 210, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 210, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0034, 0.3573, 0.3862 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(221, 210, 160) }
```

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

```
.border{ border-color:rgb(221, 210, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 210, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 210, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 210, 160);  
box-shadow:4px 4px 4px 4px rgb(221, 210,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0034, 0.3573, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 210, 160) }
```

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

```
.background{ background-color: rgb(221,  
210, 160) }
```

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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