

# Converting Colors

Yxy(63.8408, 0.3441, 0.3662)

Have a look what the booklet for  
Yxy(63.8408, 0.3441, 0.3662)  
contains.

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# Color

**Yxy(63.8353, 0.3435, 0.3657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD1B1
RGB	219, 209, 177
RGB Percent	86%, 82%, 69%
CMY	0.1410, 0.1804, 0.3058
CMYK	0.00, 0.05, 0.19, 0.14
HSL	46°, 37%, 78%
HSV	46°, 19%, 86%
XYZ	59.9601, 63.8353, 50.7610
YIQ	208.3420, 16.2320, -7.8320

# Conversions

## Conversions Part 2

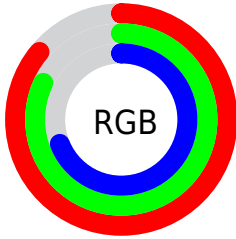
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 219, 177
Decimal	14406065
CIELab	83.88, -1.69, 17.13
CIELCh	84, 17.211, 95.648
Yxy	63.8353, 0.3435, 0.3657
Android (android.graphics.Color)	4292596145 (0xFFDDBD1B1)
YUV	208.3420, -15.4516, 9.3471
Hunter-Lab	79.8970, -5.8612, 18.2591

# Details

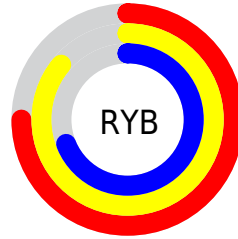
The Yxy color **63.8353, 0.3435, 0.3657** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.0331, 0.2818, 0.2894**, and the grayscale version is **63.4097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **32.7904, 0.3515, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **60.5050, 0.3612, 0.3855**, and if you desaturate by 10%, it is **67.3961, 0.3269, 0.3462**.

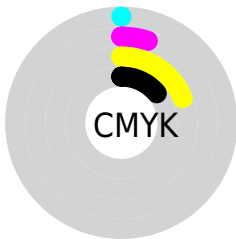
# Distribution



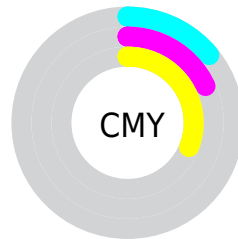
- Red (86%)
- Green (82%)
- Blue (69%)



- Red (75%)
- Yellow (86%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (19%)
- Black (14%)




- Cyan (14%)
- Magenta (18%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8353, 0.3435, 0.3657 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 63.8353, 0.3435, 0.3657 by changing the saturation by 10% instead.




 63.8353, 0.3435,  
0.3657

 63.8353, 0.3435,  
0.3657


438.5946, 0.3290,  
0.3483

 46.5173, 0.3469,  
0.3698


 110.3737, 0.3384,  
0.3596

 32.6542, 0.3511,  
0.3749


140.3629, 0.3364,  
0.3572

 21.8617, 0.3564,  
0.3814


175.3446, 0.3348,  
0.3552

 13.7553, 0.3635,  
0.3901

215.7032, 0.3333,  
0.3534

 7.9507, 0.3731,  
0.4020

261.8231, 0.3320,  
0.3519

 4.0634, 0.3871,  
0.4195

314.0887, 0.3309,

 1.7091, 0.4168,

0.3506

0.4563

372.8844, 0.3299,  
0.3493

0.4295, 0.4607,  
0.5393

0.0000, 0.0000,  
0.0000

63.8353, 0.3435,  
0.3657

63.8353, 0.3435,  
0.3657

60.5050, 0.3612,  
0.3855

67.3961, 0.3269,  
0.3462

57.3891, 0.3796,  
0.4051

71.1858, 0.3115,  
0.3275

54.4824, 0.3983,  
0.4234

75.2139, 0.2975,  
0.3099

51.7762, 0.4164,  
0.4397

78.8509, 0.2903,  
0.3030

■ 49.2610, 0.4333,  
0.4527

■ 81.8100, 0.2905,  
0.3085

■ 46.9258, 0.4480,  
0.4616

■ 84.8574, 0.2907,  
0.3140

■ 44.7579, 0.4599,  
0.4657

■ 87.9940, 0.2909,  
0.3194

■ 42.7373, 0.4690,  
0.4654

■ 91.2204, 0.2910,  
0.3248

■ 42.5779, 0.4697,  
0.4653

■ 93.8069, 0.2912,  
0.3289

# Harmonies

## Analogous

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



63.8353, 0.3545, 0.3551



63.8353, 0.3435, 0.3657



63.8353, 0.3244, 0.3663

# Triad

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



63.8353, 0.3435, 0.3657



63.8353, 0.2732, 0.3173



63.8353, 0.3219, 0.3042

# Complementary

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



63.8353, 0.3435, 0.3657



50.0331, 0.2818, 0.2894

# 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.



63.8353, 0.3000, 0.2946



63.8353, 0.3435, 0.3657



63.8353, 0.2725, 0.3014

# Square

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



63.8353, 0.3435, 0.3657



63.8353, 0.2840, 0.3375



63.8353, 0.2821, 0.2934



63.8353, 0.3419, 0.3199



# Rectangle

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



63.8353, 0.3435, 0.3657



63.8353, 0.3098, 0.3605



63.8353, 0.2821, 0.2934



63.8353, 0.3145, 0.3002

# Sweetspot

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



63.8381, 0.3435, 0.3657



96.7408, 0.3219, 0.3403



50.1257, 0.3411, 0.3168



20.6321, 0.3229, 0.3415



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

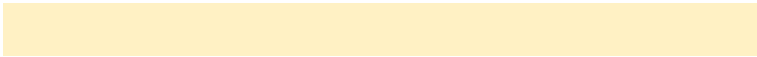


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8381, 0.3435, 0.3657



88.1558, 0.3505, 0.3736



67.3485, 0.3335, 0.3778



14.7085, 0.3273, 0.3467



25.4127, 0.4688, 0.4660



1.7760, 0.4590, 0.4737



# Inverse Universe

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



50.0331, 0.2818, 0.2894



65.2826, 0.2747, 0.2800



47.1958, 0.2892, 0.2778



13.1203, 0.2981, 0.3107



4.6514, 0.1576, 0.0874



0.4353, 0.1663, 0.1185



# Previews

## White Background



This preview shows how the Yxy color 63.8353, 0.3435, 0.3657 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 63.8353, 0.3435, 0.3657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

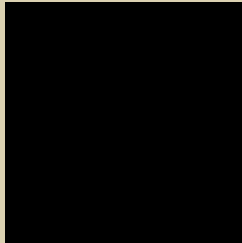
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

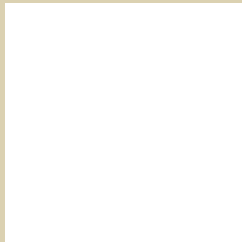
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.8353, 0.3435, 0.3657**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8353, 0.3435, 0.3657.



This preview shows how white text looks on a background with the Yxy color 63.8353, 0.3435, 0.3657.

# 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

63.8353, 0.3435, 0.3657

### Protanopia

63.9909, 0.3443, 0.3656

### Deuteranopia

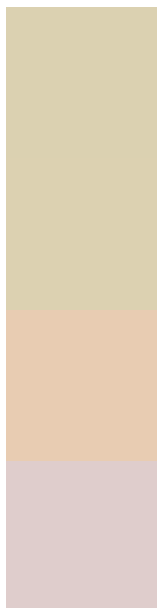
63.5532, 0.3609, 0.3531



## Tritanopia

63.8339, 0.3181, 0.3115

# Trichromacy



## Original Color

63.8353, 0.3435, 0.3657

## Protanomaly

63.9909, 0.3443, 0.3656

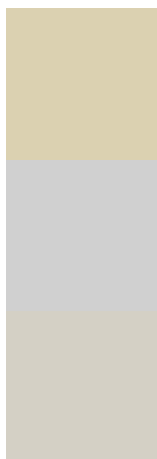
## Deuteranomaly

63.5559, 0.3543, 0.3580

## Tritanomaly

63.7103, 0.3273, 0.3302

# Monochromacy



## Original Color

63.8353, 0.3435, 0.3657

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.1400, 0.3235, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8353, 0.3435, 0.3657 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(219, 209, 177)` looks like.

```
.text, #text, p{  
    color:rgb(219, 209, 177)  
}
```

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(219, 209, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 209, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8353, 0.3435, 0.3657 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(219, 209, 177) }
```

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

```
.border{ border-color:rgb(219, 209, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 209, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 209, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 209, 177);  
box-shadow:4px 4px 4px 4px rgb(219, 209,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8353, 0.3435, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 209, 177) }
```

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

```
.background{ background-color: rgb(219,  
209, 177) }
```

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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