

# Converting Colors

$Yxy(65.8483, 0.3387, 0.3576)$

Have a look what the booklet for  
Yxy(65.8483, 0.3387, 0.3576)  
contains.

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# Color

**Yxy(65.6633, 0.3389, 0.3573)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DED3BA
RGB	222, 211, 186
RGB Percent	87%, 83%, 73%
CMY	0.1294, 0.1725, 0.2707
CMYK	0.00, 0.05, 0.16, 0.13
HSL	42°, 35%, 80%
HSV	42°, 16%, 87%
XYZ	62.2818, 65.6633, 55.8313
YIQ	211.4390, 14.5810, -5.4430

# Conversions

## Conversions Part 2

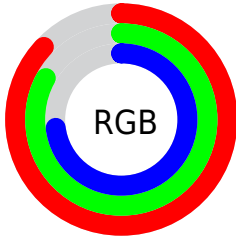
Format	Color
R <sub>Y</sub> B	202, 222, 186
Decimal	14603194
CIE Lab	84.82, -0.30, 13.76
CIE LCh	85, 13.759, 91.250
Yxy	65.6633, 0.3389, 0.3573
Android (android.graphics.Color)	4292793274 (0xFFDED3BA)
YUV	211.4390, -12.5414, 9.2620
Hunter-Lab	81.0329, -4.6126, 15.8725

# Details

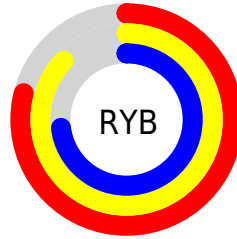
The Yxy color **65.6633, 0.3389, 0.3573** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.6356, 0.2870, 0.2990**, and the grayscale version is **65.5257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **34.0229, 0.3454, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **61.4951, 0.3570, 0.3755**, and if you desaturate by 10%, it is **70.1262, 0.3223, 0.3396**.

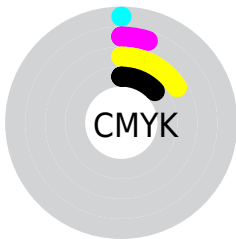
# Distribution



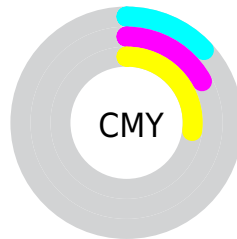
- Red (87%)
- Green (83%)
- Blue (73%)



- Red (79%)
- Yellow (87%)
- Blue (73%)



- Cyan (0%)
- Magenta (5%)
- Yellow (16%)
- Black (13%)




- Cyan (13%)
- Magenta (17%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6633, 0.3389, 0.3573 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 65.6633, 0.3389, 0.3573 by changing the saturation by 10% instead.




 65.6633, 0.3389,  
0.3573

 65.6633, 0.3389,  
0.3573


445.1718, 0.3266,  
0.3440

 47.9991, 0.3418,  
0.3604


 113.0029, 0.3346,  
0.3526

 33.8262, 0.3453,  
0.3643


143.4472, 0.3329,  
0.3508

 22.7601, 0.3499,  
0.3692


178.9203, 0.3315,  
0.3493

 14.4165, 0.3559,  
0.3758

219.8066, 0.3302,  
0.3479

 8.4109, 0.3642,  
0.3848

266.4905, 0.3291,  
0.3467

 4.3590, 0.3763,  
0.3980

319.3564, 0.3282,

 1.8763, 0.3960,

0.3457

378.7887, 0.3273,  
0.3448

0.4195

0.5341, 0.4837,  
0.5163

0.0000, 0.0000,  
0.0000

65.6633, 0.3389,  
0.3573

65.6633, 0.3389,  
0.3573

61.4951, 0.3570,  
0.3755

70.1262, 0.3223,  
0.3396

57.6045, 0.3763,  
0.3938

74.8830, 0.3072,  
0.3228

53.9852, 0.3964,  
0.4113

79.9444, 0.2937,  
0.3070

50.6275, 0.4168,  
0.4270

83.9773, 0.2924,  
0.3117

■ 47.5208, 0.4365,  
0.4400

■ 88.0041, 0.2926,  
0.3187

■ 44.6533, 0.4546,  
0.4491

■ 92.1812, 0.2928,  
0.3256

■ 42.0115, 0.4702,  
0.4534

■ 94.2716, 0.2929,  
0.3289

■ 39.5790, 0.4826,  
0.4527

■ 38.7067, 0.4868,  
0.4517

# Harmonies

## Analogous

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



65.6633, 0.3463, 0.3482



65.6633, 0.3389, 0.3573



65.6633, 0.3245, 0.3588

# Triad

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



65.6633, 0.3389, 0.3573



65.6633, 0.2820, 0.3222



65.6633, 0.3175, 0.3077

# Complementary

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



65.6633, 0.3389, 0.3573



55.6356, 0.2870, 0.2990

# 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.



65.6633, 0.3003, 0.3009



65.6633, 0.3389, 0.3573



65.6633, 0.2802, 0.3087

# Square

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



65.6633, 0.3389, 0.3573



65.6633, 0.2918, 0.3381



65.6633, 0.2868, 0.3011



65.6633, 0.3338, 0.3198



# Rectangle

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



65.6633, 0.3389, 0.3573



65.6633, 0.3131, 0.3550



65.6633, 0.2868, 0.3011



65.6633, 0.3116, 0.3047

# Sweetspot

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



65.6662, 0.3389, 0.3573



96.7460, 0.3204, 0.3375



54.6879, 0.3340, 0.3160



20.6115, 0.3215, 0.3388



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

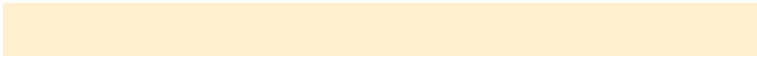


# Same Dimension

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



65.6662, 0.3389, 0.3573



88.1809, 0.3440, 0.3626



70.3019, 0.3321, 0.3698



15.2859, 0.3275, 0.3452



23.1930, 0.4855, 0.4527



1.7635, 0.4729, 0.4627



# Inverse Universe

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



55.6356, 0.2870, 0.2990



72.3187, 0.2820, 0.2930



51.6645, 0.2914, 0.2861



13.9227, 0.2981, 0.3122



5.7476, 0.1616, 0.1016

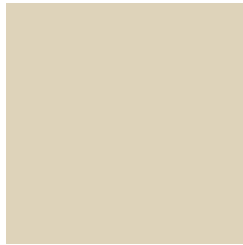


0.5532, 0.1701, 0.1324



# Previews

## White Background



This preview shows how the Yxy color 65.6633, 0.3389, 0.3573 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 65.6633, 0.3389, 0.3573 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

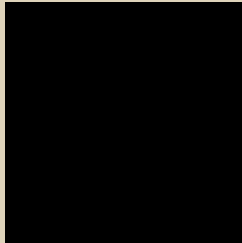
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.6633, 0.3389, 0.3573**

## Background



This preview shows how black text looks on a background with the Yxy color 65.6633, 0.3389, 0.3573.

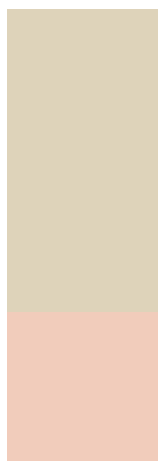


This preview shows how white text looks on a background with the Yxy color 65.6633, 0.3389, 0.3573.

# 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

65.6633, 0.3389, 0.3573

### Protanopia

65.6633, 0.3389, 0.3573

### Deuteranopia

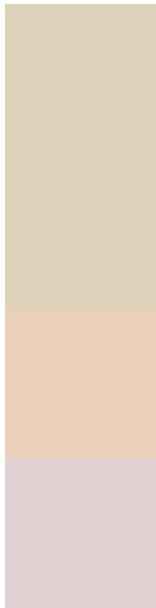
65.4744, 0.3547, 0.3475



## Tritanopia

65.7474, 0.3173, 0.3117

# Trichromacy



## Original Color

65.6633, 0.3389, 0.3573

## Protanomaly

65.6633, 0.3389, 0.3573

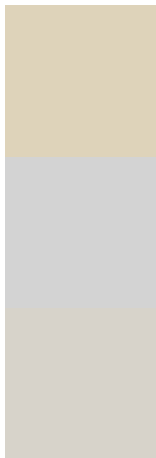
## Deuteranomaly

65.7059, 0.3484, 0.3510

## Tritanomaly

65.7228, 0.3249, 0.3279

# Monochromacy



## Original Color

65.6633, 0.3389, 0.3573

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.2999, 0.3220, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6633, 0.3389, 0.3573 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(222, 211, 186)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 186)  
}
```

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(222, 211, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6633, 0.3389, 0.3573 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(222, 211, 186) }
```

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

```
.border{ border-color:rgb(222, 211, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 211, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 186);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6633, 0.3389, 0.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 186) }
```

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

```
.background{ background-color: rgb(222,  
211, 186) }
```

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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