

# Converting Colors

$Yxy(67.1523, 0.3329, 0.3567)$

Have a look what the booklet for  
Yxy(67.1523, 0.3329, 0.3567)  
contains.

<b>Yxy(67.3787, 0.3330, 0.3573)</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(67.3787, 0.3330, 0.3573)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD7BE
RGB	219, 215, 190
RGB Percent	86%, 84%, 75%
CMY	0.1414, 0.1568, 0.2550
CMYK	0.00, 0.02, 0.13, 0.14
HSL	52°, 29%, 80%
HSV	52°, 13%, 86%
XYZ	62.7963, 67.3787, 58.4024
YIQ	213.3460, 10.4090, -6.9270

# Conversions

## Conversions Part 2

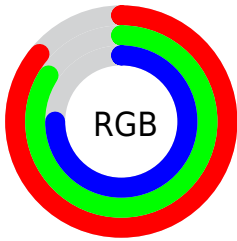
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 219, 190
Decimal	14407614
CIELab	85.69, -2.86, 12.84
CIELCh	86, 13.150, 102.559
Yxy	67.3787, 0.3330, 0.3573
Android (android.graphics.Color)	4292597694 (0xFFDBD7BE)
YUV	213.3460, -11.5096, 4.9586
Hunter-Lab	82.0845, -7.0919, 15.2749

# Details

The Yxy color **67.3787, 0.3330, 0.3573** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.6051, 0.2918, 0.2990**, and the grayscale version is **66.8537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **34.8403, 0.3377, 0.3632** is the 20% darker color. If you saturate the color by 10%, you get **64.9948, 0.3493, 0.3794**, and if you desaturate by 10%, it is **69.9398, 0.3175, 0.3358**.

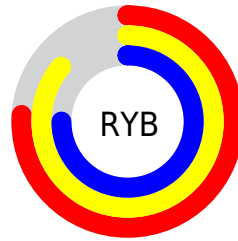
# Distribution



Red (86%)

Green (84%)

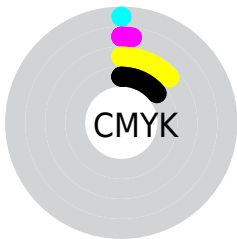
Blue (75%)



Red (76%)

Yellow (86%)

Blue (75%)

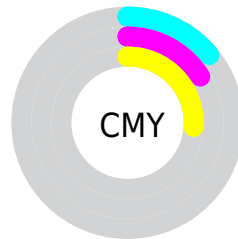


Cyan (0%)

Magenta (2%)

Yellow (13%)

Black (14%)



Cyan (14%)

Magenta (16%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3787, 0.3330, 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 67.3787, 0.3330, 0.3573 by changing the saturation by 10% instead.




 67.3787, 0.3330,  
0.3573

 67.3787, 0.3330,  
0.3573


451.2916, 0.3235,  
0.3439

 49.3924, 0.3352,  
0.3604


 115.4629, 0.3297,  
0.3526

 34.9309, 0.3379,  
0.3643

146.3296, 0.3284,  
0.3508

 23.6096, 0.3413,  
0.3693


182.2586, 0.3273,  
0.3493

 15.0443, 0.3459,  
0.3759

223.6343, 0.3264,  
0.3479

 8.8505, 0.3520,  
0.3850

270.8410, 0.3255,  
0.3467

 4.6438, 0.3610,  
0.3985

324.2632, 0.3248,

 2.0398, 0.3748,

0.3457

0.4202

384.2853, 0.3241,  
0.3448

0.6305, 0.4564,  
0.5436

0.0000, 0.0000,  
0.0000

67.3787, 0.3330,  
0.3573

67.3787, 0.3330,  
0.3573

64.9948, 0.3493,  
0.3794

69.9398, 0.3175,  
0.3358

62.7728, 0.3659,  
0.4014

72.6754, 0.3030,  
0.3152

60.7086, 0.3825,  
0.4226

75.5509, 0.2901,  
0.2966

58.7945, 0.3984,  
0.4420

77.1620, 0.2902,  
0.2998

■ 57.0222, 0.4129,  
0.4585

■ 78.8012, 0.2903,  
0.3029

■ 55.3823, 0.4254,  
0.4713

■ 80.4686, 0.2904,  
0.3060

■ 53.8641, 0.4352,  
0.4797

■ 82.1644, 0.2905,  
0.3092

■ 52.4544, 0.4422,  
0.4836

■ 83.8886, 0.2906,  
0.3123

■ 51.5473, 0.4457,  
0.4843

■ 85.6414, 0.2907,  
0.3154

# Harmonies

## Analogous

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



67.3787, 0.3428, 0.3512



67.3787, 0.3330, 0.3573



67.3787, 0.3179, 0.3556

# Triad

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



67.3787, 0.3330, 0.3573



67.3787, 0.2820, 0.3173



67.3787, 0.3234, 0.3127

# Complementary

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



67.3787, 0.3330, 0.3573



54.6051, 0.2918, 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.



67.3787, 0.3069, 0.3040



67.3787, 0.3330, 0.3573



67.3787, 0.2833, 0.3063

# Square

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



67.3787, 0.3330, 0.3573



67.3787, 0.2886, 0.3320



67.3787, 0.2924, 0.3017

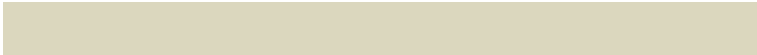


67.3787, 0.3373, 0.3254



# Rectangle

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



67.3787, 0.3330, 0.3573



67.3787, 0.3069, 0.3501



67.3787, 0.2924, 0.3017



67.3787, 0.3180, 0.3092

# Sweetspot

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



67.3817, 0.3330, 0.3573



98.4801, 0.3187, 0.3375



55.7841, 0.3333, 0.3240



21.0186, 0.3199, 0.3391



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.



67.3817, 0.3330, 0.3573



94.1622, 0.3377, 0.3637



67.8842, 0.3248, 0.3624



14.9467, 0.3270, 0.3490



30.6982, 0.4453, 0.4846



2.0739, 0.4404, 0.4885



# Inverse Universe

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



54.6051, 0.2918, 0.2990



72.5955, 0.2868, 0.2918



54.2299, 0.2994, 0.2950



12.9008, 0.2981, 0.3081



3.6671, 0.1531, 0.0711

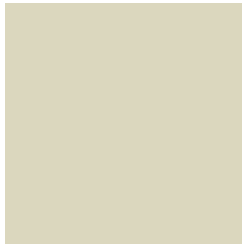


0.3317, 0.1597, 0.0948



# Previews

## White Background



This preview shows how the Yxy color 67.3787, 0.3330, 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 67.3787, 0.3330, 0.3573 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

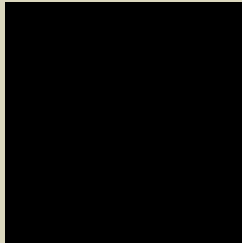
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

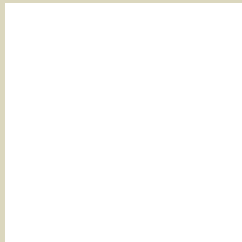
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.3787, 0.3330, 0.3573**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3787, 0.3330, 0.3573.



This preview shows how white text looks on a background with the Yxy color 67.3787, 0.3330, 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

67.3787, 0.3330, 0.3573

### Protanopia

67.6146, 0.3377, 0.3570

### Deuteranopia

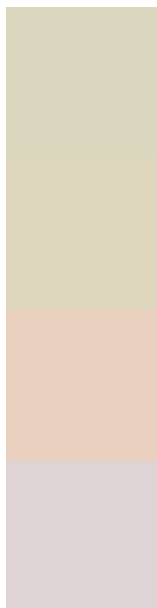
67.0031, 0.3520, 0.3441



## Tritanopia

67.4315, 0.3121, 0.3117

# Trichromacy



## Original Color

67.3787, 0.3330, 0.3573

## Protanomaly

67.2969, 0.3362, 0.3571

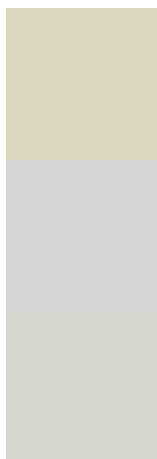
## Deuteranomaly

66.8549, 0.3450, 0.3487

## Tritanomaly

67.4207, 0.3194, 0.3279

# Monochromacy



## Original Color

67.3787, 0.3330, 0.3573

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.9480, 0.3196, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3787, 0.3330, 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(219, 215, 190)` looks like.

```
.text, #text, p{  
    color:rgb(219, 215, 190)  
}
```

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, 215, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 215, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3787, 0.3330, 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(219, 215, 190) }
```

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

```
.border{ border-color:rgb(219, 215, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 215, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 215, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 215, 190);  
box-shadow:4px 4px 4px 4px rgb(219, 215,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3787, 0.3330, 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(219, 215, 190) }
```

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

```
.background{ background-color: rgb(219,  
215, 190) }
```

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