

# Converting Colors

$Yxy(69.8773, 0.3337, 0.3650)$

Have a look what the booklet for  
Yxy(69.8773, 0.3337, 0.3650)  
contains.

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# Color

**Yxy(69.8773, 0.3337, 0.3650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDCBC
RGB	219, 220, 188
RGB Percent	86%, 86%, 74%
CMY	0.1411, 0.1372, 0.2628
CMYK	0.00, 0.00, 0.15, 0.14
HSL	62°, 31%, 80%
HSV	62°, 15%, 86%
XYZ	63.8851, 69.8773, 57.6823
YIQ	216.0530, 9.6760, -10.1640

# Conversions

## Conversions Part 2

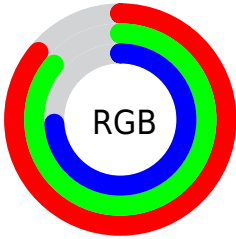
Format	Color
<b>RYB</b>	188, 220, 189
Decimal	14408892
CIELab	86.94, -5.71, 15.65
CIELCh	87, 16.657, 110.047
Yxy	69.8773, 0.3337, 0.3650
Android (android.graphics.Color)	4292598972 (0xFFDBDCBC)
YUV	216.0530, -13.8301, 2.5845
Hunter-Lab	83.5926, -9.8698, 17.6024

# Details

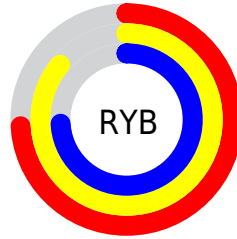
The Yxy color **69.8773, 0.3337, 0.3650** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.9369, 0.2901, 0.2905**, and the grayscale version is **68.8005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **36.5520, 0.3384, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **68.8981, 0.3484, 0.3903**, and if you desaturate by 10%, it is **71.0077, 0.3192, 0.3401**.

# Distribution



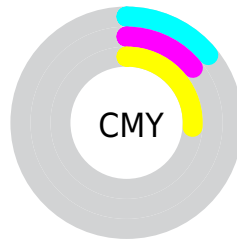
- Red (86%)
- Green (86%)
- Blue (74%)



- Red (74%)
- Yellow (86%)
- Blue (74%)



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)



- Cyan (14%)
- Magenta (14%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8773, 0.3337, 0.3650 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 69.8773, 0.3337, 0.3650 by changing the saturation by 10% instead.





 69.8773, 0.3337,  
0.3650

 69.8773, 0.3337,  
0.3650

460.1191, 0.3240,  
0.3480

 51.4265, 0.3359,  
0.3690


 119.0338, 0.3304,  
0.3591

 36.5482, 0.3386,  
0.3739

150.5082, 0.3290,  
0.3568

 24.8578, 0.3420,  
0.3802

187.0927, 0.3279,  
0.3548

 15.9712, 0.3464,  
0.3885

229.1716, 0.3269,  
0.3531

 9.5038, 0.3523,  
0.4000

277.1293, 0.3261,  
0.3516

 5.0712, 0.3606,  
0.4168

331.3501, 0.3253,

 2.2891, 0.3728,

0.3503

0.4436

392.2186, 0.3246,  
0.3491

0.7679, 0.4347,  
0.5653

0.0000, 0.0000,  
0.0000

69.8773, 0.3337,  
0.3650

69.8773, 0.3337,  
0.3650

68.8981, 0.3484,  
0.3903

71.0077, 0.3192,  
0.3401

68.0543, 0.3627,  
0.4153

72.2863, 0.3052,  
0.3161

67.3420, 0.3762,  
0.4389

73.7218, 0.2919,  
0.2935

66.7536, 0.3882,  
0.4603

73.8941, 0.2917,  
0.2926

66.2806, 0.3983,  
0.4784

74.0010, 0.2922,  
0.2926

65.9135, 0.4059,  
0.4925

74.1084, 0.2926,  
0.2927

65.6414, 0.4109,  
0.5023

74.2162, 0.2931,  
0.2927

65.4507, 0.4133,  
0.5078

74.3244, 0.2935,  
0.2928

65.3690, 0.4139,  
0.5095

74.4330, 0.2940,  
0.2928

# Harmonies

## Analogous

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



69.8773, 0.3482, 0.3593



69.8773, 0.3337, 0.3650



69.8773, 0.3139, 0.3604

# Triad

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



69.8773, 0.3337, 0.3650



69.8773, 0.2740, 0.3101



69.8773, 0.3309, 0.3123

# Complementary

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



69.8773, 0.3337, 0.3650



51.9369, 0.2901, 0.2905

# Split Complementary

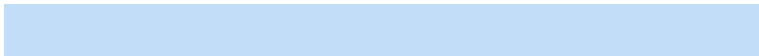
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.8773, 0.3105, 0.3001



69.8773, 0.3337, 0.3650



69.8773, 0.2781, 0.2984

# Square

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



69.8773, 0.3337, 0.3650



69.8773, 0.2797, 0.3278



69.8773, 0.2913, 0.2949



69.8773, 0.3467, 0.3288



# Rectangle

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



69.8773, 0.3337, 0.3650



69.8773, 0.3004, 0.3520



69.8773, 0.2913, 0.2949



69.8773, 0.3244, 0.3075

# Sweetspot

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



69.8804, 0.3337, 0.3650



99.3009, 0.3184, 0.3388



55.0300, 0.3396, 0.3297



21.2272, 0.3195, 0.3406



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.



69.8804, 0.3337, 0.3650



97.2637, 0.3375, 0.3715



67.5781, 0.3221, 0.3663



15.2424, 0.3262, 0.3521



38.3727, 0.4140, 0.5095



2.4925, 0.4149, 0.5087



# Inverse Universe

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



51.9369, 0.2901, 0.2905



68.2759, 0.2856, 0.2829



54.0345, 0.3021, 0.2918



12.6362, 0.2986, 0.3048



3.0671, 0.1510, 0.0606

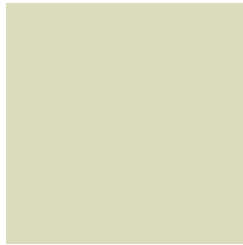


0.2056, 0.1541, 0.0623



# Previews

## White Background



This preview shows how the Yxy color 69.8773, 0.3337, 0.3650 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 69.8773, 0.3337, 0.3650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

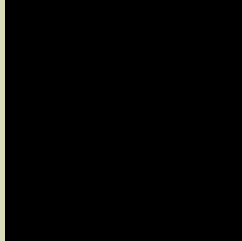
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

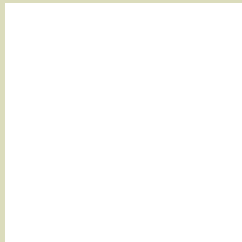
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8773, 0.3337, 0.3650**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8773, 0.3337, 0.3650.

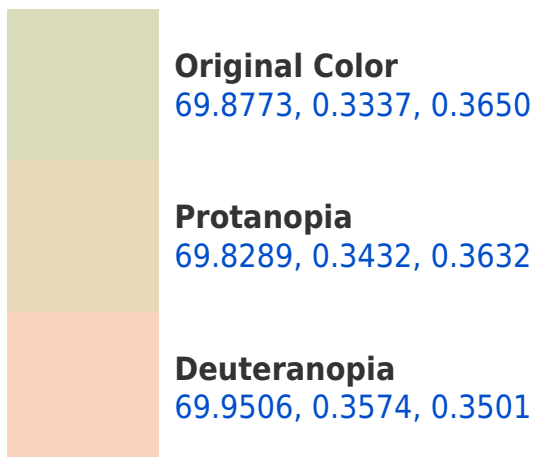


This preview shows how white text looks on a background with the Yxy color 69.8773, 0.3337, 0.3650.

# 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

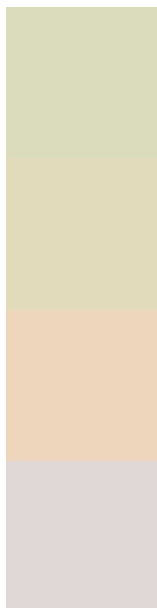




## Tritanopia

69.8702, 0.3092, 0.3108

# Trichromacy



## Original Color

69.8773, 0.3337, 0.3650

## Protanomaly

69.7382, 0.3392, 0.3635

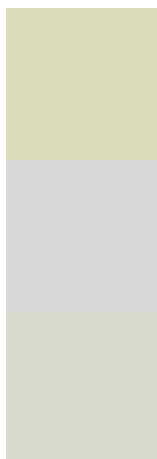
## Deuteranomaly

69.9444, 0.3486, 0.3560

## Tritanomaly

69.7060, 0.3185, 0.3301

# Monochromacy



## Original Color

69.8773, 0.3337, 0.3650

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.8337, 0.3202, 0.3413

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8773, 0.3337, 0.3650 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, 220, 188)` looks like.

```
.text, #text, p{  
    color:rgb(219, 220, 188)  
}
```

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, 220, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 220, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8773, 0.3337, 0.3650 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, 220, 188) }
```

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

```
.border{ border-color:rgb(219, 220, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 220, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 220, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 220, 188);  
box-shadow:4px 4px 4px 4px rgb(219, 220,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8773, 0.3337, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 220, 188) }
```

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

```
.background{ background-color: rgb(219,  
220, 188) }
```

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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