

# Converting Colors

Yxy(67.8832, 0.3347, 0.3654)

Have a look what the booklet for  
Yxy(67.8832, 0.3347, 0.3654)  
contains.

<b>Yxy(67.8802, 0.3347, 0.3654)</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(67.8802, 0.3347, 0.3654)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9D9B9
RGB	217, 217, 185
RGB Percent	85%, 85%, 73%
CMY	0.1491, 0.1490, 0.2746
CMYK	0.00, 0.00, 0.15, 0.15
HSL	60°, 30%, 79%
HSV	60°, 15%, 85%
XYZ	62.1771, 67.8802, 55.7123
YIQ	213.3520, 10.2720, -9.9520

# Conversions

## Conversions Part 2

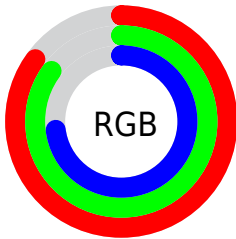
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	185, 217, 185
Decimal	14277049
CIE Lab	85.95, -5.38, 15.80
CIE LCh	86, 16.695, 108.801
Yxy	67.8802, 0.3347, 0.3654
Android (android.graphics.Color)	4292467129 (0xFFD9D9B9)
YUV	213.3520, -13.9775, 3.1993
Hunter-Lab	82.3894, -9.4724, 17.5803

# Details

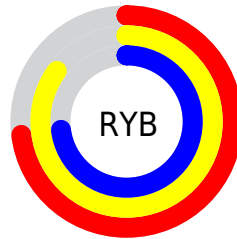
The Yxy color **67.8802, 0.3347, 0.3654** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.0175, 0.2890, 0.2898**, and the grayscale version is **66.8760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **35.1880, 0.3399, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **67.0311, 0.3499, 0.3905**, and if you desaturate by 10%, it is **68.8751, 0.3197, 0.3406**.

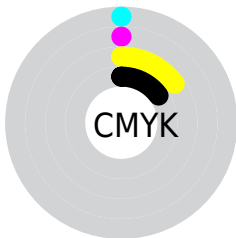
# Distribution



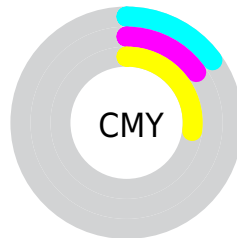
- Red (85%)
- Green (85%)
- Blue (73%)



- Red (73%)
- Yellow (85%)
- Blue (73%)



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



- Cyan (15%)
- Magenta (15%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8802, 0.3347, 0.3654 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 67.8802, 0.3347, 0.3654 by changing the saturation by 10% instead.



■ 67.8802, 0.3347,  
0.3654

■ 67.8802, 0.3347,  
0.3654

453.0714, 0.3245,  
0.3482

■ 49.8003, 0.3370,  
0.3694

■ 116.1807, 0.3312,  
0.3593

■ 35.2547, 0.3399,  
0.3745

147.1702, 0.3298,  
0.3570

■ 23.8592, 0.3435,  
0.3809

183.2315, 0.3286,  
0.3550

■ 15.2292, 0.3482,  
0.3895

224.7492, 0.3276,  
0.3533

■ 8.9804, 0.3546,  
0.4013

272.1077, 0.3267,  
0.3518

■ 4.7284, 0.3636,  
0.4188

325.6913, 0.3259,

■ 2.0888, 0.3774,

0.3504

0.4475

385.8844, 0.3251,  
0.3492

0.6583, 0.4289,  
0.5711

0.0000, 0.0000,  
0.0000

67.8802, 0.3347,  
0.3654

67.8802, 0.3347,  
0.3654

67.0311, 0.3499,  
0.3905

68.8751, 0.3197,  
0.3406

66.3126, 0.3647,  
0.4152

70.0129, 0.3052,  
0.3166


65.7209, 0.3787,  
0.4384


71.3021, 0.2915,  
0.2939


65.2486, 0.3913,  
0.4591


71.6191, 0.2886,  
0.2890


 64.8874, 0.4018,  
0.4766


 71.6235, 0.2886,  
0.2890

 64.6282, 0.4098,  
0.4900


 71.6280, 0.2886,  
0.2890

 64.4603, 0.4153,  
0.4991

 71.6324, 0.2886,  
0.2890

 64.3706, 0.4182,  
0.5040

 71.6369, 0.2887,  
0.2890

 64.3433, 0.4191,  
0.5054

 71.6414, 0.2887,  
0.2890

# Harmonies

## Analogous

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



67.8802, 0.3491, 0.3592



67.8802, 0.3347, 0.3654



67.8802, 0.3147, 0.3612

# Triad

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



67.8802, 0.3347, 0.3654



67.8802, 0.2735, 0.3105



67.8802, 0.3304, 0.3114

# Complementary

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



67.8802, 0.3347, 0.3654



50.0175, 0.2890, 0.2898

# 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.



67.8802, 0.3096, 0.2993



67.8802, 0.3347, 0.3654



67.8802, 0.2773, 0.2983

# Square

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



67.8802, 0.3347, 0.3654



67.8802, 0.2798, 0.3286



67.8802, 0.2903, 0.2945



67.8802, 0.3466, 0.3280



# Rectangle

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



67.8802, 0.3347, 0.3654



67.8802, 0.3010, 0.3529



67.8802, 0.2903, 0.2945



67.8802, 0.3236, 0.3067

# Sweetspot

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



67.8832, 0.3347, 0.3654



99.3578, 0.3186, 0.3388



52.9458, 0.3401, 0.3291



21.2416, 0.3197, 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.



67.8832, 0.3347, 0.3654



97.3767, 0.3399, 0.3740



65.5529, 0.3226, 0.3668



15.2630, 0.3267, 0.3521



38.9441, 0.4191, 0.5054



2.5233, 0.4191, 0.5054



# Inverse Universe

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



50.0175, 0.2890, 0.2898



66.4489, 0.2829, 0.2797



52.1176, 0.3015, 0.2912



12.6181, 0.2981, 0.3048



3.0341, 0.1501, 0.0600

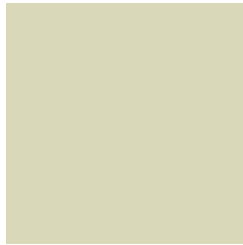


0.1969, 0.1502, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 67.8802, 0.3347, 0.3654 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 67.8802, 0.3347, 0.3654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

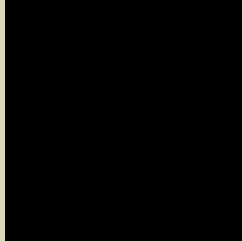
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

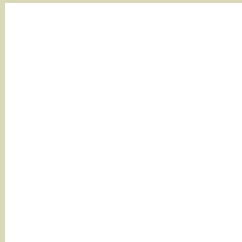
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.8802, 0.3347, 0.3654**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.8802, 0.3347, 0.3654.



This preview shows how white text looks on a background with the Yxy color 67.8802, 0.3347, 0.3654.

# 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

67.8802, 0.3347, 0.3654

### Protanopia

67.7226, 0.3429, 0.3625

### Deuteranopia

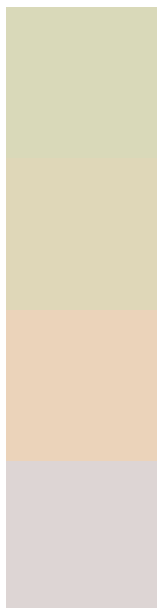
67.8063, 0.3580, 0.3503



## Tritanopia

67.8779, 0.3099, 0.3106

# Trichromacy



## Original Color

67.8802, 0.3347, 0.3654

## Protanomaly

67.7495, 0.3404, 0.3638

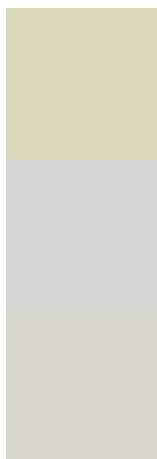
## Deuteranomaly

67.7959, 0.3491, 0.3563

## Tritanomaly

67.7141, 0.3193, 0.3301

# Monochromacy



## Original Color

67.8802, 0.3347, 0.3654

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.7011, 0.3203, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.8802, 0.3347, 0.3654 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(217, 217, 185)` looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 185)  
}
```

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(217, 217, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 67.8802, 0.3347, 0.3654 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(217, 217, 185) }
```

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

```
.border{ border-color:rgb(217, 217, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 217, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 185);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.8802, 0.3347, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 185) }
```

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

```
.background{ background-color: rgb(217,  
217, 185) }
```

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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