

# Converting Colors

$Yxy(66.6813, 0.3454, 0.3825)$

Have a look what the booklet for  
Yxy(66.6813, 0.3454, 0.3825)  
contains.

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# Color

**Yxy(66.5752, 0.3454, 0.3830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D8A9
RGB	216, 216, 169
RGB Percent	85%, 85%, 66%
CMY	0.1529, 0.1529, 0.3373
CMYK	0.00, 0.00, 0.22, 0.15
HSL	60°, 38%, 75%
HSV	60°, 22%, 85%
XYZ	60.0394, 66.5752, 47.2110
YIQ	210.6420, 15.0870, -14.6170

# Conversions

## Conversions Part 2

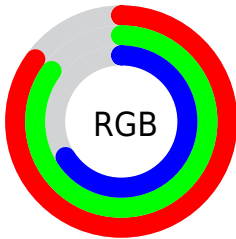
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">169, 216, 169</a>
Decimal	<a href="#">14211241</a>
CIELab	<a href="#">85.29, -7.58, 23.26</a>
CIELCh	<a href="#">85, 24.463, 108.047</a>
Yxy	<a href="#">66.5752, 0.3454, 0.3830</a>
Android (android.graphics.Color)	<a href="#">4292401321 (0xFFD8D8A9)</a>
YUV	<a href="#">210.6420, -20.5295, 4.6990</a>
Hunter-Lab	<a href="#">81.5936, -11.4425, 22.8096</a>

# Details

The Yxy color **66.5752, 0.3454, 0.3830** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.7684, 0.2762, 0.2686**, and the grayscale version is **65.0259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **34.3512, 0.3530, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **65.8276, 0.3604, 0.4078**, and if you desaturate by 10%, it is **67.4628, 0.3302, 0.3579**.

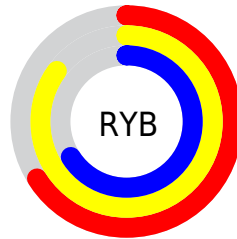
# Distribution



Red (85%)

Green (85%)

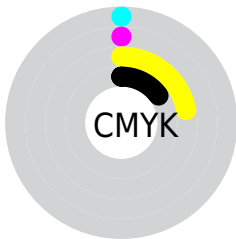
Blue (66%)



Red (66%)

Yellow (85%)

Blue (66%)

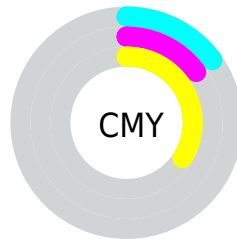


Cyan (0%)

Magenta (0%)

Yellow (22%)

Black (15%)



Cyan (15%)

Magenta (15%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5752, 0.3454, 0.3830 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 66.5752, 0.3454, 0.3830 by changing the saturation by 10% instead.





 66.5752, 0.3454,  
0.3830

 66.5752, 0.3454,  
0.3830


448.4312, 0.3303,  
0.3573

 48.7395, 0.3488,  
0.3890

 114.3115, 0.3402,  
0.3740

 34.4129, 0.3530,  
0.3965

144.9809, 0.3382,  
0.3705

 23.2110, 0.3582,  
0.4062

180.6969, 0.3364,  
0.3675

 14.7494, 0.3648,  
0.4189

221.8441, 0.3349,  
0.3649

 8.6437, 0.3735,  
0.4363

268.8067, 0.3335,  
0.3626

 4.5095, 0.3850,  
0.4616

321.9691, 0.3323,

 1.9625, 0.4185,

0.3606

0.5237

381.7158, 0.3313,  
0.3589

■ 0.5855, 0.3882,  
0.6118

■ 0.0000, 0.0000,  
0.0000

■ 66.5752, 0.3454,  
0.3830

■ 66.5752, 0.3454,  
0.3830

■ 65.8276, 0.3604,  
0.4078

■ 67.4628, 0.3302,  
0.3579

■ 65.2045, 0.3748,  
0.4315

■ 68.4875, 0.3153,  
0.3333

■ 64.7017, 0.3878,  
0.4531

■ 69.6582, 0.3010,  
0.3097

■ 64.3115, 0.3990,  
0.4716

■ 70.9552, 0.2878,  
0.2879

64.0249, 0.4079,  
0.4862

70.9604, 0.2878,  
0.2879

63.8321, 0.4142,  
0.4966

70.9656, 0.2878,  
0.2879

63.7209, 0.4179,  
0.5027

70.9708, 0.2878,  
0.2879

63.6737, 0.4194,  
0.5052

70.9760, 0.2878,  
0.2879

70.9812, 0.2878,  
0.2880

# Harmonies

## Analogous

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



66.5752, 0.3666, 0.3726



66.5752, 0.3454, 0.3830



66.5752, 0.3160, 0.3778

# Triad

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



66.5752, 0.3454, 0.3830



66.5752, 0.2558, 0.3018



66.5752, 0.3378, 0.3029

# Complementary

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



66.5752, 0.3454, 0.3830



41.7684, 0.2762, 0.2686

# 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.



66.5752, 0.3071, 0.2858



66.5752, 0.3454, 0.3830



66.5752, 0.2608, 0.2842

# Square

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



66.5752, 0.3454, 0.3830



66.5752, 0.2650, 0.3286



66.5752, 0.2792, 0.2789



66.5752, 0.3625, 0.3264



# Rectangle

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



66.5752, 0.3454, 0.3830



66.5752, 0.2960, 0.3654



66.5752, 0.2792, 0.2789



66.5752, 0.3278, 0.2963

# Sweetspot

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



66.5782, 0.3454, 0.3830



98.8978, 0.3231, 0.3462



45.8641, 0.3559, 0.3282



21.1489, 0.3240, 0.3477



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.



66.5782, 0.3454, 0.3830



96.4212, 0.3522, 0.3942



63.3621, 0.3278, 0.3862



14.5189, 0.3266, 0.3520



37.6800, 0.4194, 0.5052



2.2730, 0.4194, 0.5052



# Inverse Universe

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



41.7684, 0.2762, 0.2686



54.2801, 0.2675, 0.2543



44.4969, 0.2946, 0.2717



12.0097, 0.2981, 0.3049



2.9363, 0.1500, 0.0600

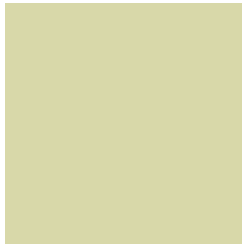


0.1774, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 66.5752, 0.3454, 0.3830 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 66.5752, 0.3454, 0.3830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

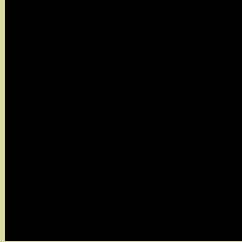
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

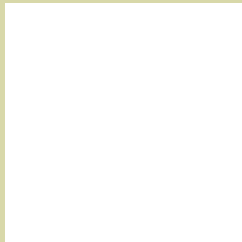
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.5752, 0.3454, 0.3830**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5752, 0.3454, 0.3830.



This preview shows how white text looks on a background with the Yxy color 66.5752, 0.3454, 0.3830.

# 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

66.5752, 0.3454, 0.3830

### Protanopia

66.7094, 0.3562, 0.3805

### Deuteranopia

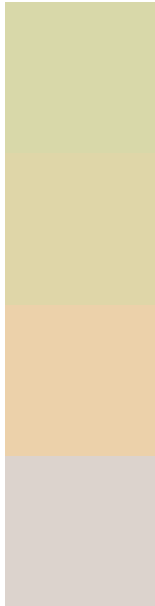
66.5594, 0.3725, 0.3652



## Tritanopia

66.2360, 0.3121, 0.3105

# Trichromacy



## Original Color

66.5752, 0.3454, 0.3830

## Protanomaly

66.6083, 0.3521, 0.3810

## Deuteranomaly

66.3361, 0.3624, 0.3718

## Tritanomaly

66.2120, 0.3237, 0.3357

# Monochromacy



## Original Color

66.5752, 0.3454, 0.3830

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.7202, 0.3245, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5752, 0.3454, 0.3830 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(216, 216, 169)` looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 169)  
}
```

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(216, 216, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5752, 0.3454, 0.3830 is called "border". The border property can be set on classes, ids or directly on the HTML element.

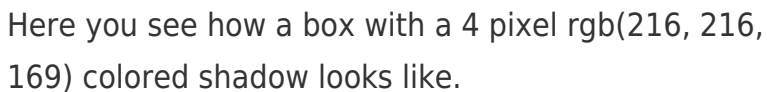
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 216, 169) }
```

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

```
.border{ border-color:rgb(216, 216, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 216, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 216, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 216, 169); box-shadow:4px 4px 4px 4px rgb(216, 216, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5752, 0.3454, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 216, 169) }
```

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

```
.background{ background-color: rgb(216,  
216, 169) }
```

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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