

# Converting Colors

Yxy(64.8958, 0.3489, 0.3844)

Have a look what the booklet for  
Yxy(64.8958, 0.3489, 0.3844)  
contains.

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# Color

**Yxy(64.9040, 0.3489, 0.3844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D5A5
RGB	216, 213, 165
RGB Percent	85%, 84%, 65%
CMY	0.1529, 0.1647, 0.3528
CMYK	0.00, 0.01, 0.24, 0.15
HSL	56°, 40%, 75%
HSV	56°, 24%, 85%
XYZ	58.9100, 64.9040, 45.0309
YIQ	208.4250, 17.1960, -14.2920

# Conversions

## Conversions Part 2

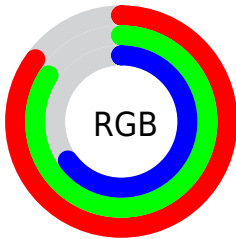
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 216, 165
Decimal	14210469
CIELab	84.43, -6.60, 24.15
CIELCh	84, 25.039, 105.287
Yxy	64.9040, 0.3489, 0.3844
Android (android.graphics.Color)	4292400549 (0xFFD8D5A5)
YUV	208.4250, -21.4085, 6.6433
Hunter-Lab	80.5630, -10.4609, 23.2538

# Details

The Yxy color **64.9040, 0.3489, 0.3844** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.9819, 0.2730, 0.2668**, and the grayscale version is **63.5041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **33.2230, 0.3578, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **63.5446, 0.3646, 0.4080**, and if you desaturate by 10%, it is **66.4071, 0.3332, 0.3606**.

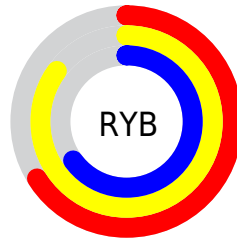
# Distribution



Red (85%)

Green (84%)

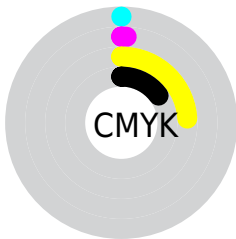
Blue (65%)



Red (66%)

Yellow (85%)

Blue (65%)

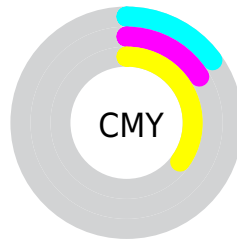


Cyan (0%)

Magenta (1%)

Yellow (24%)

Black (15%)



Cyan (15%)

Magenta (16%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9040, 0.3489, 0.3844 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 64.9040, 0.3489, 0.3844 by changing the saturation by 10% instead.





 64.9040, 0.3489,  
0.3844

 64.9040, 0.3489,  
0.3844


442.4469, 0.3321,  
0.3580

 47.3832, 0.3527,  
0.3906


 111.9118, 0.3431,  
0.3751

 33.3387, 0.3574,  
0.3983


 142.1677, 0.3408,  
0.3715

 22.3861, 0.3632,  
0.4082


177.4374, 0.3389,  
0.3684

 14.1408, 0.3708,  
0.4213

218.1053, 0.3372,  
0.3658

 8.2187, 0.3806,  
0.4392

264.5558, 0.3357,  
0.3635

 4.2352, 0.3936,  
0.4650

317.1733, 0.3343,

 1.8060, 0.4418,

0.3614

0.5427

376.3422, 0.3332,  
0.3596

0.4909, 0.3835,  
0.6165

0.0000, 0.0000,  
0.0000

64.9040, 0.3489,  
0.3844

64.9040, 0.3489,  
0.3844

63.5446, 0.3646,  
0.4080

66.4071, 0.3332,  
0.3606

62.3136, 0.3798,  
0.4304

68.0515, 0.3180,  
0.3372

61.2066, 0.3938,  
0.4507

69.8458, 0.3036,  
0.3148

60.2156, 0.4061,  
0.4680

71.7956, 0.2901,  
0.2937

■ 59.3316, 0.4161,  
0.4815

■ 72.6896, 0.2880,  
0.2915

■ 58.5443, 0.4235,  
0.4905

■ 73.3610, 0.2880,  
0.2929

■ 57.8411, 0.4282,  
0.4953

■ 74.0375, 0.2881,  
0.2943

■ 57.4221, 0.4302,  
0.4967

■ 74.7192, 0.2881,  
0.2956

■ 75.4060, 0.2882,  
0.2970

# Harmonies

## Analogous

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



64.9040, 0.3697, 0.3723



64.9040, 0.3489, 0.3844



64.9040, 0.3190, 0.3806

# Triad

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



64.9040, 0.3489, 0.3844



64.9040, 0.2543, 0.3031



64.9040, 0.3358, 0.3001

# Complementary

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



64.9040, 0.3489, 0.3844



40.9819, 0.2730, 0.2668

# Split Complementary

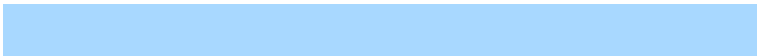
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.9040, 0.3040, 0.2834



64.9040, 0.3489, 0.3844



64.9040, 0.2582, 0.2840

# Square

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



64.9040, 0.3489, 0.3844



64.9040, 0.2651, 0.3313



64.9040, 0.2759, 0.2773



64.9040, 0.3623, 0.3239



# Rectangle

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



64.9040, 0.3489, 0.3844



64.9040, 0.2981, 0.3688



64.9040, 0.2759, 0.2773



64.9040, 0.3253, 0.2935

# Sweetspot

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



64.9069, 0.3489, 0.3844



98.2309, 0.3232, 0.3452



44.3637, 0.3582, 0.3250



20.9939, 0.3241, 0.3466



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.



64.9069, 0.3489, 0.3844



93.5568, 0.3562, 0.3955



63.2969, 0.3310, 0.3910



14.3881, 0.3268, 0.3507



34.0388, 0.4300, 0.4968



2.0922, 0.4280, 0.4984



# Inverse Universe

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



40.9819, 0.2730, 0.2668



53.2534, 0.2640, 0.2525



42.4580, 0.2907, 0.2661



12.1255, 0.2981, 0.3063



3.1541, 0.1511, 0.0640

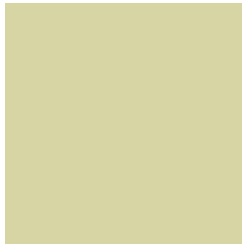


0.2327, 0.1546, 0.0765



# Previews

## White Background



This preview shows how the Yxy color 64.9040, 0.3489, 0.3844 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

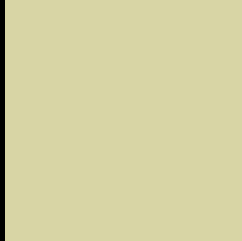
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9040, 0.3489, 0.3844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

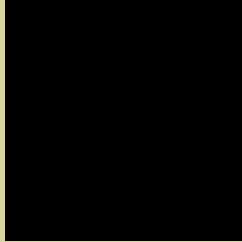
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

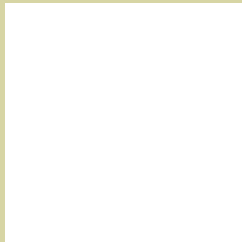
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9040, 0.3489, 0.3844**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9040, 0.3489, 0.3844.



This preview shows how white text looks on a background with the Yxy color 64.9040, 0.3489, 0.3844.

# 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

64.9040, 0.3489, 0.3844

### Protanopia

64.7811, 0.3576, 0.3811

### Deuteranopia

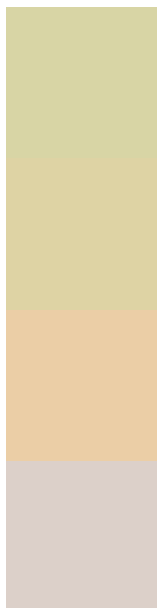
64.6239, 0.3750, 0.3666



## Tritanopia

64.6245, 0.3143, 0.3104

# Trichromacy



## Original Color

64.9040, 0.3489, 0.3844

## Protanomaly

64.7985, 0.3549, 0.3826

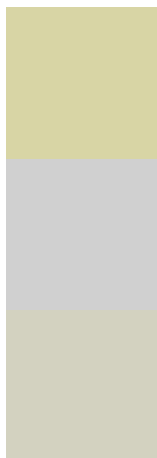
## Deuteranomaly

64.5580, 0.3655, 0.3732

## Tritanomaly

64.5444, 0.3268, 0.3369

# Monochromacy



## Original Color

64.9040, 0.3489, 0.3844

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.7478, 0.3261, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9040, 0.3489, 0.3844 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, 213, 165)` looks like.

```
.text, #text, p{  
    color:rgb(216, 213, 165)  
}
```

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, 213, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 213, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9040, 0.3489, 0.3844 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, 213, 165) }
```

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

```
.border{ border-color:rgb(216, 213, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 213, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 213, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 213, 165);  
box-shadow:4px 4px 4px 4px rgb(216, 213,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9040, 0.3489, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 213, 165) }
```

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

```
.background{ background-color: rgb(216,  
213, 165) }
```

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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