

# Converting Colors

$Yxy(67.2765, 0.3680, 0.4125)$

Have a look what the booklet for  
Yxy(67.2765, 0.3680, 0.4125)  
contains.

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# Color

**Yxy(67.1385, 0.3679, 0.4123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED98F
RGB	222, 217, 143
RGB Percent	87%, 85%, 56%
CMY	0.1292, 0.1491, 0.4392
CMYK	0.00, 0.02, 0.36, 0.13
HSL	56°, 55%, 72%
HSV	56°, 36%, 87%
XYZ	59.9085, 67.1385, 35.7920
YIQ	210.0590, 26.7340, -21.9540

# Conversions

## Conversions Part 2

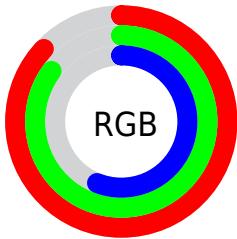
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 222, 143
Decimal	14604687
CIELab	85.57, -9.12, 37.10
CIELCh	86, 38.202, 103.809
Yxy	67.1385, 0.3679, 0.4123
Android (android.graphics.Color)	4292794767 (0xFFDED98F)
YUV	210.0590, -33.0601, 10.4723
Hunter-Lab	81.9381, -12.8826, 31.4577

# Details

The Yxy color **67.1385, 0.3679, 0.4123** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.3228, 0.2491, 0.2293**, and the grayscale version is **64.7045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **34.7030, 0.3806, 0.4326** is the 20% darker color. If you saturate the color by 10%, you get **65.8029, 0.3830, 0.4343**, and if you desaturate by 10%, it is **68.6198, 0.3522, 0.3890**.

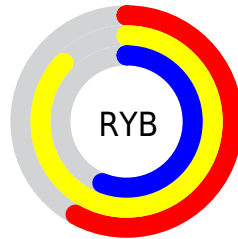
# Distribution



Red (87%)

Green (85%)

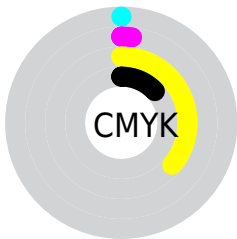
Blue (56%)



Red (58%)

Yellow (87%)

Blue (56%)

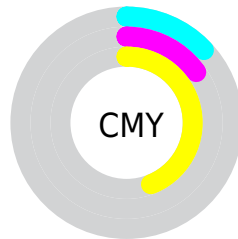


Cyan (0%)

Magenta (2%)

Yellow (36%)

Black (13%)



Cyan (13%)

Magenta (15%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1385, 0.3679, 0.4123 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 67.1385, 0.3679, 0.4123 by changing the saturation by 10% instead.




 67.1385, 0.3679,  
0.4123

 67.1385, 0.3679,  
0.4123


450.4376, 0.3429,  
0.3730

 49.1972, 0.3733,  
0.4213


 115.1188, 0.3594,  
0.3986

 34.7759, 0.3798,  
0.4324

 145.9267, 0.3561,  
0.3933

 23.4903, 0.3876,  
0.4462


181.7921, 0.3532,  
0.3887

 14.9560, 0.3970,  
0.4639

223.0996, 0.3506,  
0.3848

 8.7885, 0.4081,  
0.4869

270.2335, 0.3483,  
0.3813

 4.6035, 0.4235,  
0.5211

323.5782, 0.3463,

 2.0165, 0.4356,

0.3782

0.5644

383.5181, 0.3445,  
0.3755

0.6171, 0.3710,  
0.6290

0.0000, 0.0000,  
0.0000

67.1385, 0.3679,  
0.4123

67.1385, 0.3679,  
0.4123

65.8029, 0.3830,  
0.4343

68.6198, 0.3522,  
0.3890

64.5958, 0.3969,  
0.4541


70.2448, 0.3364,  
0.3652

63.5117, 0.4089,  
0.4706

72.0234, 0.3210,  
0.3418


62.5405, 0.4185,  
0.4831


73.9618, 0.3064,  
0.3192

 61.6709, 0.4255,  
0.4912

 76.0660, 0.2926,  
0.2979


 60.8887, 0.4298,  
0.4950

 76.8968, 0.2921,  
0.2985

 60.5613, 0.4311,  
0.4959

 77.6723, 0.2922,  
0.3000

 78.4543, 0.2922,  
0.3015

 79.2427, 0.2922,  
0.3030

# Harmonies

## Analogous

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



67.1385, 0.3991, 0.3907



67.1385, 0.3679, 0.4123



67.1385, 0.3232, 0.4099

# Triad

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



67.1385, 0.3679, 0.4123



67.1385, 0.2272, 0.2905



67.1385, 0.3447, 0.2849

# Complementary

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



67.1385, 0.3679, 0.4123



32.3228, 0.2491, 0.2293

# 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.



67.1385, 0.2966, 0.2617



67.1385, 0.3679, 0.4123



67.1385, 0.2317, 0.2625

# Square

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



67.1385, 0.3679, 0.4123



67.1385, 0.2432, 0.3337



67.1385, 0.2561, 0.2532



67.1385, 0.3863, 0.3184



# Rectangle

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



67.1385, 0.3679, 0.4123



67.1385, 0.2921, 0.3925



67.1385, 0.2561, 0.2532



67.1385, 0.3286, 0.2758

# Sweetspot

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



67.1416, 0.3679, 0.4123



97.1810, 0.3294, 0.3545



37.3341, 0.3921, 0.3229



20.7303, 0.3315, 0.3578



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.



67.1416, 0.3679, 0.4123



90.4307, 0.3797, 0.4295



64.9227, 0.3396, 0.4257



15.8711, 0.3269, 0.3507



36.0147, 0.4309, 0.4960



2.5424, 0.4290, 0.4976



# Inverse Universe

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



32.3228, 0.2491, 0.2293



35.8520, 0.2330, 0.2034



34.3037, 0.2764, 0.2301



13.3836, 0.2981, 0.3063



3.3785, 0.1512, 0.0642

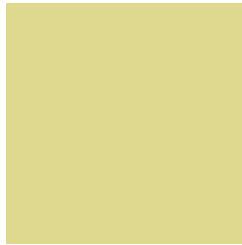


0.2846, 0.1545, 0.0763



# Previews

## White Background



This preview shows how the Yxy color 67.1385, 0.3679, 0.4123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

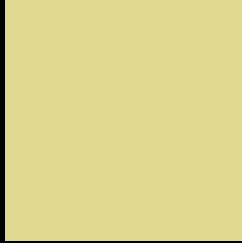
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1385, 0.3679, 0.4123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

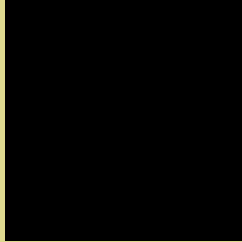
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

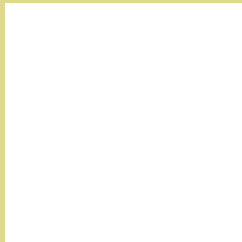
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.1385, 0.3679, 0.4123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1385, 0.3679, 0.4123.



This preview shows how white text looks on a background with the Yxy color 67.1385, 0.3679, 0.4123.

# 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

67.1385, 0.3679, 0.4123

### Protanopia

67.2019, 0.3777, 0.4080

### Deuteranopia

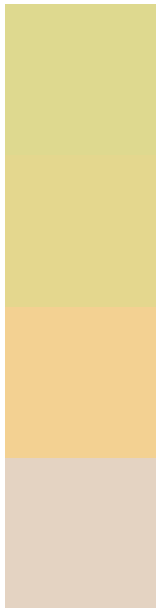
67.0292, 0.3966, 0.3890



## Tritanopia

66.9423, 0.3195, 0.3119

# Trichromacy



## Original Color

67.1385, 0.3679, 0.4123

## Protanomaly

67.0479, 0.3741, 0.4100

## Deuteranomaly

66.7309, 0.3858, 0.3964

## Tritanomaly

66.9776, 0.3377, 0.3479

# Monochromacy



## Original Color

67.1385, 0.3679, 0.4123

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.4298, 0.3323, 0.3601

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1385, 0.3679, 0.4123 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(222, 217, 143)` looks like.

```
.text, #text, p{  
    color:rgb(222, 217, 143)  
}
```

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(222, 217, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 217, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1385, 0.3679, 0.4123 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(222, 217, 143) }
```

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

```
.border{ border-color:rgb(222, 217, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 217, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 217, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 217, 143);  
box-shadow:4px 4px 4px 4px rgb(222, 217,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1385, 0.3679, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 217, 143) }
```

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

```
.background{ background-color: rgb(222,  
217, 143) }
```

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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