

# Converting Colors

$Yxy(69.5783, 0.3700, 0.4237)$

Have a look what the booklet for  
Yxy(69.5783, 0.3700, 0.4237)  
contains.

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# Color

**Yxy(69.5783, 0.3700, 0.4237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEDE89
RGB	222, 222, 137
RGB Percent	87%, 87%, 54%
CMY	0.1294, 0.1294, 0.4629
CMYK	0.00, 0.00, 0.38, 0.13
HSL	60°, 56%, 70%
HSV	60°, 38%, 87%
XYZ	60.7599, 69.5783, 33.8778
YIQ	212.3100, 27.2850, -26.4350

# Conversions

## Conversions Part 2

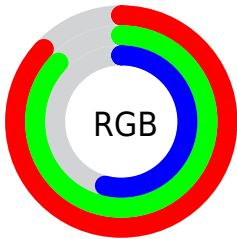
Format	Color
<a href="#">RYB</a>	<a href="#">137, 222, 137</a>
Decimal	<a href="#">14605961</a>
CIELab	<a href="#">86.79, -12.34, 41.70</a>
CIElCh	<a href="#">87, 43.487, 106.482</a>
Yxy	<a href="#">69.5783, 0.3700, 0.4237</a>
Android (android.graphics.Color)	<a href="#">4292796041 (0xFFDEDE89)</a>
YUV	<a href="#">212.3100, -37.1278, 8.4981</a>
Hunter-Lab	<a href="#">83.4136, -15.9514, 34.3094</a>

# Details

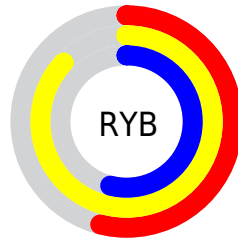
The Yxy color **69.5783, 0.3700, 0.4237** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.4688, 0.2424, 0.2128**, and the grayscale version is **66.2936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **36.2926, 0.3813, 0.4468** is the 20% darker color. If you saturate the color by 10%, you get **69.0086, 0.3836, 0.4461**, and if you desaturate by 10%, it is **70.2854, 0.3553, 0.3995**.

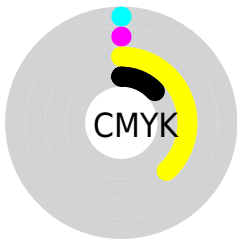
# Distribution



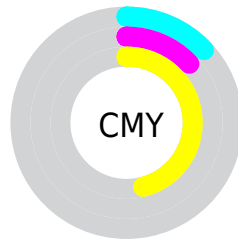
- Red (87%)
- Green (87%)
- Blue (54%)



- Red (54%)
- Yellow (87%)
- Blue (54%)



- Cyan (0%)
- Magenta (0%)
- Yellow (38%)
- Black (13%)




- Cyan (13%)
- Magenta (13%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5783, 0.3700, 0.4237 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 69.5783, 0.3700, 0.4237 by changing the saturation by 10% instead.




 69.5783, 0.3700,  
0.4237

 69.5783, 0.3700,  
0.4237


459.0680, 0.3446,  
0.3792


 51.1828, 0.3753,  
0.4338


 118.6072, 0.3615,  
0.4083

 36.3541, 0.3816,  
0.4461


 150.0094, 0.3581,  
0.4023

 24.7078, 0.3889,  
0.4615


 186.5159, 0.3552,  
0.3971

 15.8595, 0.3974,  
0.4809

228.5112, 0.3525,  
0.3926

 9.4248, 0.4067,  
0.5057

276.3797, 0.3502,  
0.3886

 5.0193, 0.4209,  
0.5450

330.5057, 0.3481,

 2.2586, 0.4195,

0.3851

0.5805

391.2737, 0.3463,  
0.3820

0.7517, 0.3547,  
0.6453

0.0000, 0.0000,  
0.0000

69.5783, 0.3700,  
0.4237

69.5783, 0.3700,  
0.4237

69.0086, 0.3836,  
0.4461

70.2854, 0.3553,  
0.3995

68.5587, 0.3955,  
0.4658

71.1278, 0.3402,  
0.3744


68.2228, 0.4052,  
0.4818


72.1155, 0.3250,  
0.3493

67.9907, 0.4123,  
0.4937


73.2549, 0.3103,  
0.3250

 67.8502, 0.4169,  
0.5012

 74.5521, 0.2962,  
0.3018

 67.7840, 0.4190,  
0.5048

 74.9973, 0.2920,  
0.2947

 67.7757, 0.4193,  
0.5053

 74.9974, 0.2920,  
0.2947

 74.9976, 0.2920,  
0.2947

 74.9977, 0.2920,  
0.2947

# Harmonies

## Analogous

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



69.5783, 0.4073, 0.4003



69.5783, 0.3700, 0.4237



69.5783, 0.3191, 0.4190

# Triad

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



69.5783, 0.3700, 0.4237



69.5783, 0.2170, 0.2817



69.5783, 0.3533, 0.2828

# Complementary

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



69.5783, 0.3700, 0.4237



28.4688, 0.2424, 0.2128

# 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.



69.5783, 0.2990, 0.2559



69.5783, 0.3700, 0.4237



69.5783, 0.2241, 0.2528

# Square

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



69.5783, 0.3700, 0.4237



69.5783, 0.2325, 0.3291



69.5783, 0.2527, 0.2448



69.5783, 0.3988, 0.3203



# Rectangle

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



69.5783, 0.3700, 0.4237



69.5783, 0.2847, 0.3975



69.5783, 0.2527, 0.2448



69.5783, 0.3352, 0.2723

# Sweetspot

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



69.5815, 0.3700, 0.4237



98.3231, 0.3292, 0.3562



35.2560, 0.4059, 0.3276



21.0047, 0.3313, 0.3597



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.



69.5815, 0.3700, 0.4237



94.6055, 0.3810, 0.4420



63.8629, 0.3381, 0.4348



16.0296, 0.3267, 0.3522



40.2546, 0.4193, 0.5053



2.7902, 0.4193, 0.5053



# Inverse Universe

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



28.4688, 0.2424, 0.2128



30.6891, 0.2250, 0.1840



32.6264, 0.2766, 0.2229



13.2434, 0.2980, 0.3047



3.1327, 0.1500, 0.0600



0.2171, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 69.5783, 0.3700, 0.4237 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 69.5783, 0.3700, 0.4237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

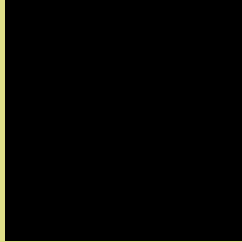
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.5783, 0.3700, 0.4237**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5783, 0.3700, 0.4237.



This preview shows how white text looks on a background with the Yxy color 69.5783, 0.3700, 0.4237.

# 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

69.5783, 0.3700, 0.4237

### Protanopia

69.3795, 0.3852, 0.4169

### Deuteranopia

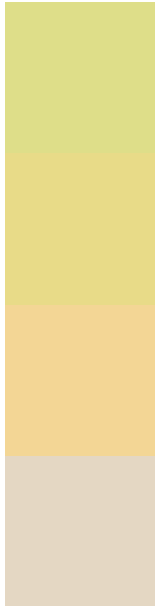
69.2612, 0.3882, 0.3839



## Tritanopia

69.3458, 0.3165, 0.3110

# Trichromacy



## Original Color

69.5783, 0.3700, 0.4237

## Protanomaly

69.5964, 0.3797, 0.4191

## Deuteranomaly

69.3177, 0.3817, 0.3982

## Tritanomaly

69.0350, 0.3364, 0.3511

# Monochromacy



## Original Color

69.5783, 0.3700, 0.4237

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

67.2134, 0.3341, 0.3644

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5783, 0.3700, 0.4237 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, 222, 137)` looks like.

```
.text, #text, p{  
    color:rgb(222, 222, 137)  
}
```

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, 222, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 222, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5783, 0.3700, 0.4237 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, 222, 137) }
```

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

```
.border{ border-color:rgb(222, 222, 137) }
```

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

Here you see how a box with a 4 pixel rgb(222, 222, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 222, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 222, 137);  
box-shadow:4px 4px 4px 4px rgb(222, 222,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5783, 0.3700, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 222, 137) }
```

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

```
.background{ background-color: rgb(222,  
222, 137) }
```

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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