

# Converting Colors

$Yxy(67.9640, 0.3791, 0.4252)$

Have a look what the booklet for  
Yxy(67.9640, 0.3791, 0.4252)  
contains.

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# Color

**Yxy(67.9503, 0.3786, 0.4250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2DA83
RGB	226, 218, 131
RGB Percent	89%, 85%, 51%
CMY	0.1137, 0.1451, 0.4862
CMYK	0.00, 0.04, 0.42, 0.11
HSL	55°, 62%, 70%
HSV	55°, 42%, 89%
XYZ	60.5317, 67.9503, 31.4010
YIQ	210.4740, 32.6950, -25.3610

# Conversions

## Conversions Part 2

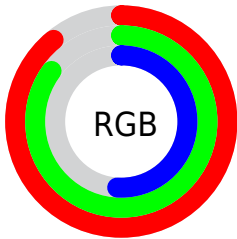
Format	Color
<b>RYB</b>	140, 226, 131
Decimal	14867075
CIELab	85.98, -9.39, 43.69
CIELCh	86, 44.692, 102.134
Yxy	67.9503, 0.3786, 0.4250
Android (android.graphics.Color)	4293057155 (0xFFE2DA83)
YUV	210.4740, -39.1807, 13.6163
Hunter-Lab	82.4320, -13.1792, 35.1169

# Details

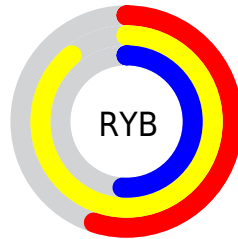
The Yxy color **67.9503, 0.3786, 0.4250** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.7821, 0.2361, 0.2102**, and the grayscale version is **65.0253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **35.1939, 0.3926, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **66.4256, 0.3934, 0.4454**, and if you desaturate by 10%, it is **69.6262, 0.3628, 0.4027**.

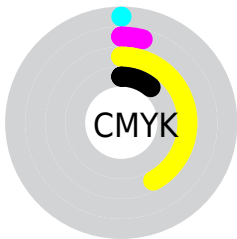
# Distribution



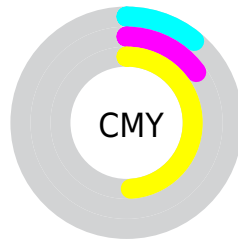
- Red (89%)
- Green (85%)
- Blue (51%)



- Red (55%)
- Yellow (89%)
- Blue (51%)



- Cyan (0%)
- Magenta (4%)
- Yellow (42%)
- Black (11%)




- Cyan (11%)
- Magenta (15%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9503, 0.3786, 0.4250 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 67.9503, 0.3786, 0.4250 by changing the saturation by 10% instead.




 67.9503, 0.3786,  
0.4250

 67.9503, 0.3786,  
0.4250


453.3199, 0.3492,  
0.3802

 49.8573, 0.3848,  
0.4351


 116.2810, 0.3687,  
0.4095

 35.3000, 0.3921,  
0.4473

 147.2876, 0.3648,  
0.4035

 23.8941, 0.4007,  
0.4623


 183.3674, 0.3614,  
0.3982

 15.2551, 0.4107,  
0.4811

224.9049, 0.3583,  
0.3937

 8.9986, 0.4216,  
0.5044

272.2846, 0.3556,  
0.3897

 4.7403, 0.4435,  
0.5476

325.8907, 0.3532,

 2.0957, 0.4347,

0.3861

0.5653

386.1076, 0.3511,  
0.3830

0.6622, 0.3766,  
0.6234

0.0000, 0.0000,  
0.0000

67.9503, 0.3786,  
0.4250

67.9503, 0.3786,  
0.4250

66.4256, 0.3934,  
0.4454

69.6262, 0.3628,  
0.4027

65.0340, 0.4067,  
0.4630

71.4519, 0.3468,  
0.3795

63.7686, 0.4178,  
0.4768

73.4380, 0.3309,  
0.3562

62.6182, 0.4263,  
0.4863

75.5913, 0.3157,  
0.3335

61.5691, 0.4321,  
0.4913

77.9184, 0.3013,  
0.3118

60.7877, 0.4351,  
0.4927

79.6549, 0.2947,  
0.3028

80.7151, 0.2948,  
0.3047

81.7869, 0.2948,  
0.3067

82.8702, 0.2948,  
0.3087

# Harmonies

## Analogous

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



67.9503, 0.4141, 0.3974



67.9503, 0.3786, 0.4250



67.9503, 0.3271, 0.4254

# Triad

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



67.9503, 0.3786, 0.4250



67.9503, 0.2148, 0.2859



67.9503, 0.3466, 0.2764

# Complementary

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



67.9503, 0.3786, 0.4250



28.7821, 0.2361, 0.2102

# 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.



67.9503, 0.2906, 0.2509



67.9503, 0.3786, 0.4250



67.9503, 0.2188, 0.2532

# Square

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



67.9503, 0.3786, 0.4250



67.9503, 0.2340, 0.3370



67.9503, 0.2451, 0.2420



67.9503, 0.3964, 0.3138



# Rectangle

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



67.9503, 0.3786, 0.4250



67.9503, 0.2911, 0.4062



67.9503, 0.2451, 0.2420



67.9503, 0.3277, 0.2663

# Sweetspot

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



67.9534, 0.3786, 0.4250



96.2798, 0.3326, 0.3587



34.3121, 0.4103, 0.3181



20.4807, 0.3361, 0.3638



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.



67.9534, 0.3786, 0.4250



87.6730, 0.3910, 0.4421



66.7211, 0.3460, 0.4437



15.8220, 0.3269, 0.3503



34.7668, 0.4348, 0.4930



2.4688, 0.4321, 0.4951



# Inverse Universe

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



28.7821, 0.2361, 0.2102



30.0118, 0.2188, 0.1824



30.1618, 0.2651, 0.2093



13.4276, 0.2981, 0.3068



3.4686, 0.1516, 0.0657

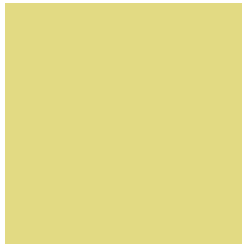


0.3056, 0.1559, 0.0811



# Previews

## White Background



This preview shows how the Yxy color 67.9503, 0.3786, 0.4250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

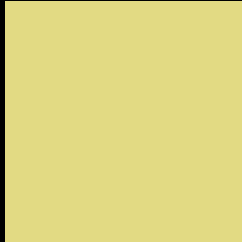
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.9503, 0.3786, 0.4250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

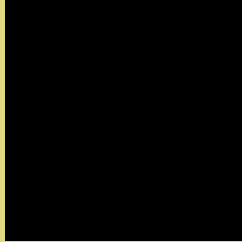
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.9503, 0.3786, 0.4250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9503, 0.3786, 0.4250.



This preview shows how white text looks on a background with the Yxy color 67.9503, 0.3786, 0.4250.

# 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

67.9503, 0.3786, 0.4250

### Protanopia

67.8748, 0.3878, 0.4206

### Deuteranopia

67.4779, 0.3969, 0.3910



## Tritanopia

67.7862, 0.3233, 0.3121

# Trichromacy



## Original Color

67.9503, 0.3786, 0.4250

## Protanomaly

67.8792, 0.3850, 0.4224

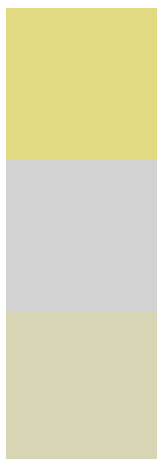
## Deuteranomaly

67.2494, 0.3898, 0.4023

## Tritanomaly

67.4620, 0.3438, 0.3521

# Monochromacy



## Original Color

67.9503, 0.3786, 0.4250

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

65.5236, 0.3374, 0.3657

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9503, 0.3786, 0.4250 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(226, 218, 131)` looks like.

```
.text, #text, p{  
    color:rgb(226, 218, 131)  
}
```

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(226, 218, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 218, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9503, 0.3786, 0.4250 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(226, 218, 131) }
```

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

```
.border{ border-color:rgb(226, 218, 131) }
```

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

Here you see how a box with a 4 pixel rgb(226, 218, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 218, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 218, 131);  
box-shadow:4px 4px 4px 4px rgb(226, 218,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9503, 0.3786, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 218, 131) }
```

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

```
.background{ background-color: rgb(226,  
218, 131) }
```

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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