

# Converting Colors

Yxy(67.9030, 0.3484, 0.3726)

Have a look what the booklet for  
Yxy(67.9030, 0.3484, 0.3726)  
contains.

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# Color

**Yxy(67.9042, 0.3484, 0.3726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D7B0
RGB	226, 215, 176
RGB Percent	89%, 84%, 69%
CMY	0.1139, 0.1568, 0.3097
CMYK	0.00, 0.05, 0.22, 0.11
HSL	47°, 46%, 79%
HSV	47°, 22%, 89%
XYZ	63.4939, 67.9042, 50.8461
YIQ	213.8430, 19.0750, -9.7970

# Conversions

## Conversions Part 2

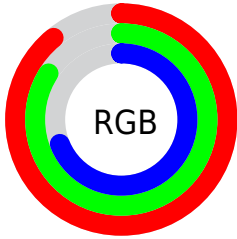
Format	Color
R <sub>Y</sub> B	190, 226, 176
Decimal	14866352
CIE Lab	85.96, -2.39, 20.62
CIE LCh	86, 20.763, 96.608
Yxy	67.9042, 0.3484, 0.3726
Android (android.graphics.Color)	4293056432 (0xFFE2D7B0)
YUV	213.8430, -18.6566, 10.6617
Hunter-Lab	82.4040, -6.6693, 21.0988

# Details

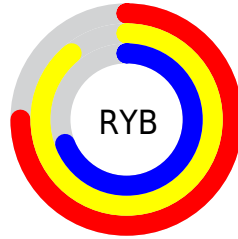
The Yxy color **67.9042, 0.3484, 0.3726** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.2501, 0.2765, 0.2813**, and the grayscale version is **67.2520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **35.1177, 0.3571, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **64.6010, 0.3661, 0.3929**, and if you desaturate by 10%, it is **71.4388, 0.3316, 0.3525**.

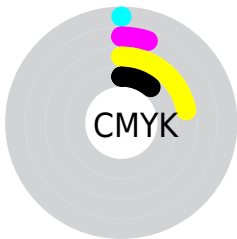
# Distribution



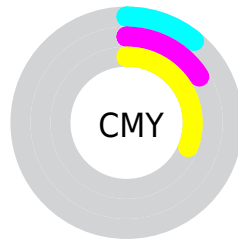
- Red (89%)
- Green (84%)
- Blue (69%)



- Red (75%)
- Yellow (89%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (11%)



- Cyan (11%)
- Magenta (16%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9042, 0.3484, 0.3726 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 67.9042, 0.3484, 0.3726 by changing the saturation by 10% instead.



67.9042, 0.3484,  
0.3726

67.9042, 0.3484,  
0.3726

453.1565, 0.3318,  
0.3521

49.8198, 0.3522,  
0.3773

116.2151, 0.3426,  
0.3654

35.2702, 0.3569,  
0.3832

147.2104, 0.3404,  
0.3627

23.8711, 0.3628,  
0.3907

183.2780, 0.3385,  
0.3603

15.2380, 0.3705,  
0.4004

224.8025, 0.3368,  
0.3582

8.9866, 0.3808,  
0.4137

272.1682, 0.3353,  
0.3564

4.7325, 0.3952,  
0.4327

325.7595, 0.3340,

2.0912, 0.4230,

0.3548

0.4690

385.9608, 0.3328,  
0.3534

0.6596, 0.4630,  
0.5370

0.0000, 0.0000,  
0.0000

67.9042, 0.3484,  
0.3726

67.9042, 0.3484,  
0.3726

64.6010, 0.3661,  
0.3929

71.4388, 0.3316,  
0.3525

61.5119, 0.3843,  
0.4126

75.2032, 0.3159,  
0.3330


58.6315, 0.4024,  
0.4309

79.2074, 0.3014,  
0.3145

55.9501, 0.4197,  
0.4466

82.7013, 0.2948,  
0.3084

 53.4574, 0.4352,  
0.4587


 85.5746, 0.2949,  
0.3135

 51.1412, 0.4484,  
0.4665


 88.5274, 0.2950,  
0.3186

 48.9873, 0.4586,  
0.4695

 91.5604, 0.2951,  
0.3236

 47.3826, 0.4649,  
0.4691

 94.6742, 0.2952,  
0.3286

 94.9027, 0.2952,  
0.3289

# Harmonies

## Analogous

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



67.9042, 0.3619, 0.3601



67.9042, 0.3484, 0.3726



67.9042, 0.3255, 0.3731

# Triad

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



67.9042, 0.3484, 0.3726



67.9042, 0.2660, 0.3143



67.9042, 0.3243, 0.3004

# Complementary

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



67.9042, 0.3484, 0.3726



50.2501, 0.2765, 0.2813

# 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.



67.9042, 0.2984, 0.2889



67.9042, 0.3484, 0.3726



67.9042, 0.2656, 0.2958

# Square

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



67.9042, 0.3484, 0.3726



67.9042, 0.2783, 0.3382



67.9042, 0.2772, 0.2870



67.9042, 0.3478, 0.3189



# Rectangle

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



67.9042, 0.3484, 0.3726



67.9042, 0.3083, 0.3660



67.9042, 0.2772, 0.2870



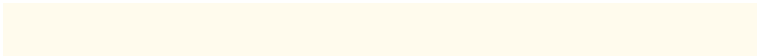
67.9042, 0.3156, 0.2956

# Sweetspot

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



67.9072, 0.3484, 0.3726



96.4321, 0.3235, 0.3425



50.8397, 0.3473, 0.3157



20.5761, 0.3244, 0.3437



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.



67.9072, 0.3484, 0.3726



87.0775, 0.3573, 0.3829



71.6012, 0.3360, 0.3858



15.4930, 0.3273, 0.3472



27.2241, 0.4640, 0.4697



2.0147, 0.4558, 0.4763



# Inverse Universe

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



50.2501, 0.2765, 0.2813



59.5642, 0.2672, 0.2685



47.4115, 0.2857, 0.2691



13.7280, 0.2981, 0.3101



4.5555, 0.1565, 0.0835

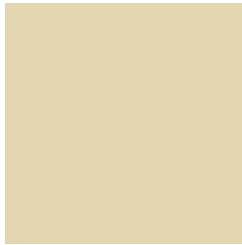


0.4479, 0.1644, 0.1119



# Previews

## White Background



This preview shows how the Yxy color 67.9042, 0.3484, 0.3726 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 67.9042, 0.3484, 0.3726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

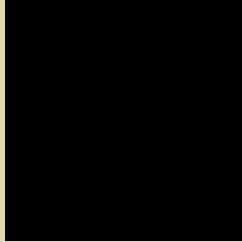
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.9042, 0.3484, 0.3726**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.9042, 0.3484, 0.3726.

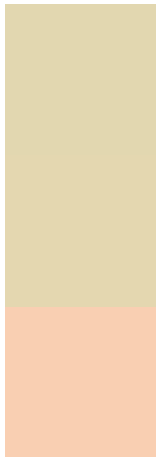


This preview shows how white text looks on a background with the Yxy color 67.9042, 0.3484, 0.3726.

# 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

67.9042, 0.3484, 0.3726

### Protanopia

68.2294, 0.3500, 0.3724

### Deuteranopia

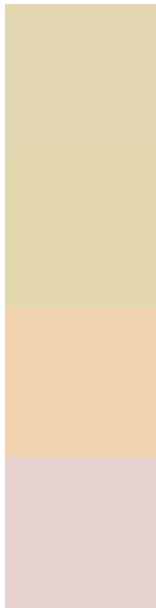
67.9797, 0.3673, 0.3597



## Tritanopia

67.7038, 0.3188, 0.3109

# Trichromacy



## Original Color

67.9042, 0.3484, 0.3726

## Protanomaly

68.0664, 0.3492, 0.3725

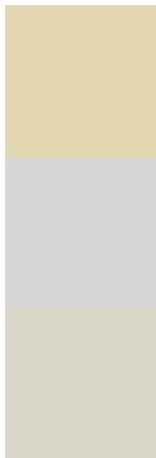
## Deuteranomaly

67.9683, 0.3608, 0.3646

## Tritanomaly

67.9165, 0.3298, 0.3334

# Monochromacy



## Original Color

67.9042, 0.3484, 0.3726

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.1687, 0.3254, 0.3448

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9042, 0.3484, 0.3726 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, 215, 176)` looks like.

```
.text, #text, p{  
    color:rgb(226, 215, 176)  
}
```

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, 215, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 215, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9042, 0.3484, 0.3726 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, 215, 176) }
```

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

```
.border{ border-color:rgb(226, 215, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 215, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 215, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 215, 176);  
box-shadow:4px 4px 4px 4px rgb(226, 215,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9042, 0.3484, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 215, 176) }
```

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

```
.background{ background-color: rgb(226,  
215, 176) }
```

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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