

# Converting Colors

$Yxy(69.6050, 0.3528, 0.3689)$

Have a look what the booklet for  
Yxy(69.6050, 0.3528, 0.3689)  
contains.

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# Color

**Yxy(69.3480, 0.3526, 0.3684)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAD7B3
RGB	234, 215, 179
RGB Percent	92%, 84%, 70%
CMY	0.0822, 0.1569, 0.2981
CMYK	0.00, 0.08, 0.24, 0.08
HSL	39°, 57%, 81%
HSV	39°, 24%, 92%
XYZ	66.3738, 69.3480, 52.5193
YIQ	216.5770, 22.8800, -7.1680

# Conversions

## Conversions Part 2

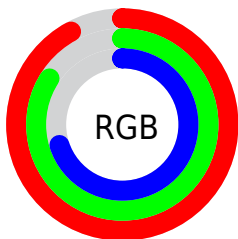
Format	Color
R <sub>Y</sub> B	208, 234, 179
Decimal	15390643
CIE Lab	86.68, 1.03, 20.18
CIE LCh	87, 20.205, 87.082
Yxy	69.3480, 0.3526, 0.3684
Android (android.graphics.Color)	4293580723 (0xFFEAD7B3)
YUV	216.5770, -18.5255, 15.2800
Hunter-Lab	83.2754, -3.4605, 20.9004

# Details

The Yxy color **69.3480, 0.3526, 0.3684** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.9129, 0.2745, 0.2862**, and the grayscale version is **69.2036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **36.1129, 0.3626, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **64.4646, 0.3722, 0.3858**, and if you desaturate by 10%, it is **74.6021, 0.3345, 0.3512**.

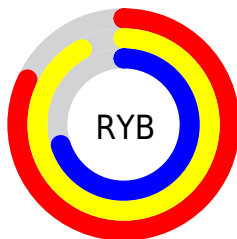
# Distribution



Red (92%)

Green (84%)

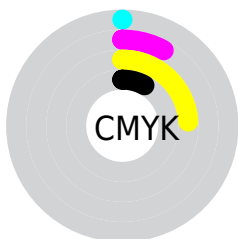
Blue (70%)



Red (82%)

Yellow (92%)

Blue (70%)

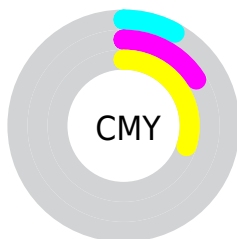


Cyan (0%)

Magenta (8%)

Yellow (24%)

Black (8%)



Cyan (8%)

Magenta (16%)


Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3480, 0.3526, 0.3684 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 69.3480, 0.3526, 0.3684 by changing the saturation by 10% instead.





 69.3480, 0.3526,  
0.3684

 69.3480, 0.3526,  
0.3684


458.2574, 0.3340,  
0.3501

 50.9952, 0.3569,  
0.3726

 118.2785, 0.3461,  
0.3621

 36.2048, 0.3621,  
0.3777


149.6249, 0.3436,  
0.3596

 24.5924, 0.3688,  
0.3842


186.0714, 0.3415,  
0.3575

 15.7736, 0.3774,  
0.3926

228.0022, 0.3396,  
0.3556

 9.3641, 0.3891,  
0.4039

275.8018, 0.3379,  
0.3540

 4.9794, 0.4056,  
0.4197

329.8547, 0.3365,

 2.2352, 0.4338,

0.3525

0.4465

390.5450, 0.3352,  
0.3513

0.7391, 0.4961,  
0.5039

0.0000, 0.0000,  
0.0000

69.3480, 0.3526,  
0.3684

69.3480, 0.3526,  
0.3684

64.4646, 0.3722,  
0.3858

74.6021, 0.3345,  
0.3512

59.9314, 0.3931,  
0.4028

80.2280, 0.3181,  
0.3346

55.7399, 0.4147,  
0.4183

86.2385, 0.3034,  
0.3190

51.8773, 0.4362,  
0.4314

91.4582, 0.3000,  
0.3214

■ 48.3295, 0.4566,  
0.4409

■ 96.2376, 0.3000,  
0.3290

■ 45.0807, 0.4747,  
0.4457

■ 42.1123, 0.4898,  
0.4453

■ 40.3232, 0.4980,  
0.4428

# Harmonies

## Analogous

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



69.3480, 0.3617, 0.3536



69.3480, 0.3526, 0.3684



69.3480, 0.3328, 0.3729

# Triad

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



69.3480, 0.3526, 0.3684



69.3480, 0.2701, 0.3219



69.3480, 0.3159, 0.2969

# Complementary

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



69.3480, 0.3526, 0.3684



55.9129, 0.2745, 0.2862

# 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.



69.3480, 0.2916, 0.2885



69.3480, 0.3526, 0.3684



69.3480, 0.2660, 0.3017

# Square

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



69.3480, 0.3526, 0.3684



69.3480, 0.2853, 0.3453



69.3480, 0.2737, 0.2899



69.3480, 0.3401, 0.3130



# Rectangle

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



69.3480, 0.3526, 0.3684



69.3480, 0.3164, 0.3687



69.3480, 0.2737, 0.2899



69.3480, 0.3075, 0.2931

# Sweetspot

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



69.3511, 0.3526, 0.3684



95.0293, 0.3237, 0.3403



53.8150, 0.3447, 0.3077



20.2507, 0.3246, 0.3413



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.



69.3511, 0.3526, 0.3684



81.4751, 0.3615, 0.3764



78.2486, 0.3422, 0.3889



16.6995, 0.3276, 0.3444



22.8965, 0.4965, 0.4440



1.9762, 0.4830, 0.4547



# Inverse Universe

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



55.9129, 0.2745, 0.2862



62.6101, 0.2665, 0.2765



48.7652, 0.2787, 0.2638



15.4004, 0.2980, 0.3131



6.8475, 0.1643, 0.1114

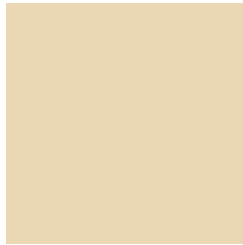


0.7115, 0.1720, 0.1390



# Previews

## White Background



This preview shows how the Yxy color 69.3480, 0.3526, 0.3684 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 69.3480, 0.3526, 0.3684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

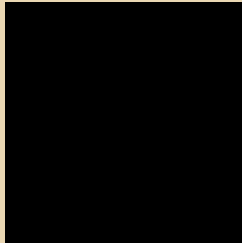
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.3480, 0.3526, 0.3684**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3480, 0.3526, 0.3684.



This preview shows how white text looks on a background with the Yxy color 69.3480, 0.3526, 0.3684.

# 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

69.3480, 0.3526, 0.3684

### Protanopia

69.5790, 0.3475, 0.3699

### Deuteranopia

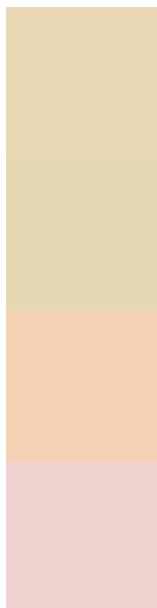
69.4054, 0.3668, 0.3595



## Tritanopia

69.5624, 0.3247, 0.3123

# Trichromacy



## Original Color

69.3480, 0.3526, 0.3684

## Protanomaly

69.3959, 0.3493, 0.3686

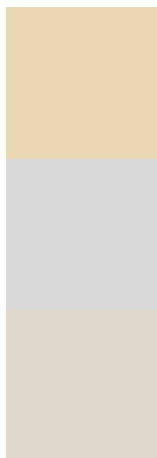
## Deuteranomaly

69.2963, 0.3615, 0.3621

## Tritanomaly

69.3197, 0.3352, 0.3323

# Monochromacy



## Original Color

69.3480, 0.3526, 0.3684

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.1115, 0.3268, 0.3434

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3480, 0.3526, 0.3684 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(234, 215, 179)` looks like.

```
.text, #text, p{  
    color:rgb(234, 215, 179)  
}
```

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(234, 215, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 215, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3480, 0.3526, 0.3684 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(234, 215, 179) }
```

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

```
.border{ border-color:rgb(234, 215, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 215, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 215, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 215, 179);  
box-shadow:4px 4px 4px 4px rgb(234, 215,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3480, 0.3526, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 215, 179) }
```

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

```
.background{ background-color: rgb(234,  
215, 179) }
```

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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