

# Converting Colors

$Yxy(69.8650, 0.3410, 0.3495)$

Have a look what the booklet for  
Yxy(69.8650, 0.3410, 0.3495)  
contains.

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# Color

**Yxy(69.5711, 0.3404, 0.3486)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EAD6C4
RGB	234, 214, 196
RGB Percent	92%, 84%, 77%
CMY	0.0825, 0.1607, 0.2314
CMYK	0.00, 0.09, 0.16, 0.08
HSL	28°, 47%, 84%
HSV	28°, 16%, 92%
XYZ	67.9346, 69.5711, 62.0672
YIQ	217.9280, 17.6980, -1.3580

# Conversions

## Conversions Part 2

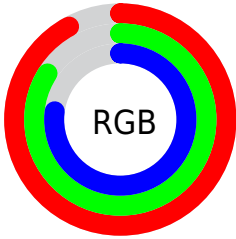
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 230, 196
Decimal	15390404
CIE <sub>Lab</sub>	86.79, 4.00, 11.39
CIE <sub>LCh</sub>	87, 12.071, 70.624
Yxy	69.5711, 0.3404, 0.3486
Android (android.graphics.Color)	4293580484 (0xFFEAD6C4)
YUV	217.9280, -10.8105, 14.0951
Hunter-Lab	83.4093, -0.5829, 14.2672

# Details

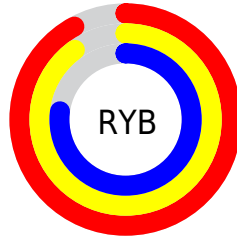
The Yxy color **69.5711, 0.3404, 0.3486** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.7601, 0.2873, 0.3086**, and the grayscale version is **70.1251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **36.2142, 0.3475, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **62.5997, 0.3607, 0.3614**, and if you desaturate by 10%, it is **77.1846, 0.3226, 0.3363**.

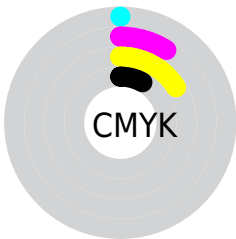
# Distribution



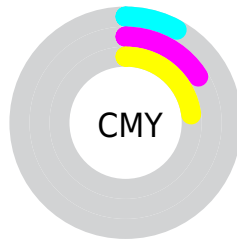
- Red (92%)
- Green (84%)
- Blue (77%)



- Red (92%)
- Yellow (90%)
- Blue (77%)



- Cyan (0%)
- Magenta (9%)
- Yellow (16%)
- Black (8%)



- Cyan (8%)
- Magenta (16%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5711, 0.3404, 0.3486 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 69.5711, 0.3404, 0.3486 by changing the saturation by 10% instead.



69.5711, 0.3404,  
0.3486

69.5711, 0.3404,  
0.3486

459.0426, 0.3274,  
0.3396

51.1770, 0.3434,  
0.3507

118.5969, 0.3359,  
0.3455

36.3495, 0.3471,  
0.3532

149.9974, 0.3341,  
0.3442

24.7042, 0.3519,  
0.3564

186.5020, 0.3326,  
0.3432

15.8568, 0.3581,  
0.3606

228.4953, 0.3313,  
0.3423

9.4229, 0.3668,  
0.3662

276.3617, 0.3302,  
0.3415

5.0180, 0.3794,  
0.3742


330.4854, 0.3291,


2.2578, 0.3994,


0.3408


0.3864


391.2509, 0.3282,  
0.3401


 0.7513, 0.5122,  
0.4740


 0.0000, 0.0000,  
0.0000


 69.5711, 0.3404,  
0.3486


 69.5711, 0.3404,  
0.3486


 62.5997, 0.3607,  
0.3614


 77.1846, 0.3226,  
0.3363


 56.2432, 0.3838,  
0.3744

 85.4480, 0.3072,  
0.3247

 50.4856, 0.4093,  
0.3868

 93.6395, 0.2999,  
0.3249

 45.3069, 0.4370,  
0.3979

 96.2279, 0.2999,  
0.3290

■ 40.6856, 0.4659,  
0.4063

■ 36.5984, 0.4944,  
0.4109

■ 33.0196, 0.5207,  
0.4104

■ 29.9196, 0.5429,  
0.4043

■ 28.8629, 0.5505,  
0.4011

# Harmonies

## Analogous

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



69.5711, 0.3413, 0.3377



69.5711, 0.3404, 0.3486



69.5711, 0.3319, 0.3545

# Triad

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



69.5711, 0.3404, 0.3486



69.5711, 0.2914, 0.3326



69.5711, 0.3065, 0.3059

# Complementary

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



69.5711, 0.3404, 0.3486



66.7601, 0.2873, 0.3086

# 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.



69.5711, 0.2935, 0.3042



69.5711, 0.3404, 0.3486



69.5711, 0.2849, 0.3192

# Square

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



69.5711, 0.3404, 0.3486



69.5711, 0.3036, 0.3453



69.5711, 0.2857, 0.3089



69.5711, 0.3215, 0.3135



# Rectangle

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



69.5711, 0.3404, 0.3486



69.5711, 0.3232, 0.3546



69.5711, 0.2857, 0.3089



69.5711, 0.3018, 0.3047

# Sweetspot

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



69.5742, 0.3404, 0.3486



95.0054, 0.3206, 0.3349



61.9352, 0.3278, 0.3072



20.1883, 0.3218, 0.3357



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

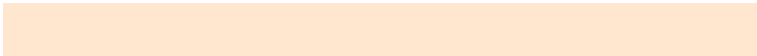


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5742, 0.3404, 0.3486



82.0815, 0.3459, 0.3522



79.5855, 0.3373, 0.3680



16.2330, 0.3281, 0.3402



16.4716, 0.5479, 0.4031



1.4848, 0.5255, 0.4209

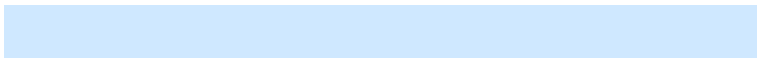


# Inverse Universe

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



66.7601, 0.2873, 0.3086



78.1390, 0.2827, 0.3046



57.7238, 0.2863, 0.2868



15.8590, 0.2981, 0.3175



11.5472, 0.1796, 0.1666

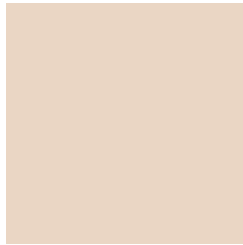


1.0992, 0.1863, 0.1907



# Previews

## White Background



This preview shows how the Yxy color 69.5711, 0.3404, 0.3486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

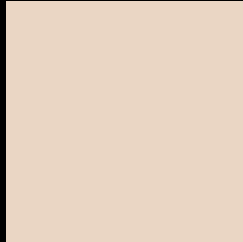
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5711, 0.3404, 0.3486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

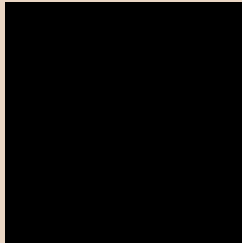
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.5711, 0.3404, 0.3486**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5711, 0.3404, 0.3486.



This preview shows how white text looks on a background with the Yxy color 69.5711, 0.3404, 0.3486.

# 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

69.5711, 0.3404, 0.3486

### Protanopia

69.8257, 0.3331, 0.3511

### Deuteranopia

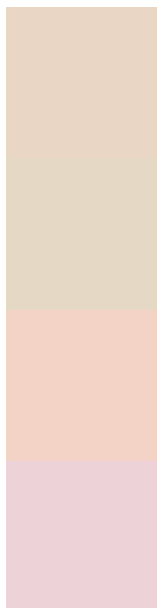
69.7172, 0.3497, 0.3428



## Tritanopia

69.7613, 0.3224, 0.3122

# Trichromacy



## Original Color

69.5711, 0.3404, 0.3486

## Protanomaly

69.8010, 0.3355, 0.3499

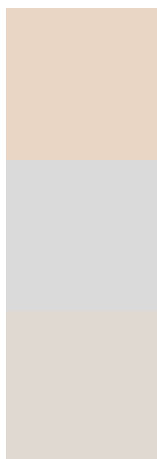
## Deuteranomaly

69.4970, 0.3464, 0.3440

## Tritanomaly

69.4994, 0.3294, 0.3248

# Monochromacy



## Original Color

69.5711, 0.3404, 0.3486

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.1261, 0.3226, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5711, 0.3404, 0.3486 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, 214, 196)` looks like.

```
.text, #text, p{  
    color:rgb(234, 214, 196)  
}
```

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, 214, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 214, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5711, 0.3404, 0.3486 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, 214, 196) }
```

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

```
.border{ border-color:rgb(234, 214, 196) }
```

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

Here you see how a box with a 4 pixel rgb(234, 214, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 214, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 214, 196);  
box-shadow:4px 4px 4px 4px rgb(234, 214,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5711, 0.3404, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 214, 196) }
```

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

```
.background{ background-color: rgb(234,  
214, 196) }
```

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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