

# Converting Colors

$Yxy(69.7025, 0.3320, 0.3498)$

Have a look what the booklet for  
Yxy(69.7025, 0.3320, 0.3498)  
contains.

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# Color

**Yxy(69.7105, 0.3317, 0.3500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D9C6
RGB	225, 217, 198
RGB Percent	88%, 85%, 78%
CMY	0.1175, 0.1490, 0.2235
CMYK	0.00, 0.04, 0.12, 0.12
HSL	42°, 31%, 83%
HSV	42°, 12%, 88%
XYZ	66.0656, 69.7105, 63.3967
YIQ	217.2260, 10.8670, -4.2130

# Conversions

## Conversions Part 2

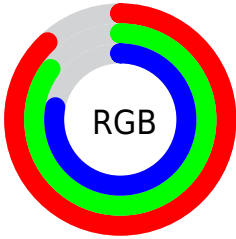
Format	Color
R <sub>Y</sub> B	209, 225, 198
Decimal	14801350
CIE Lab	86.85, -0.43, 10.33
CIE LCh	87, 10.338, 92.378
Yxy	69.7105, 0.3317, 0.3500
Android (android.graphics.Color)	4292991430 (0xFFE1D9C6)
YUV	217.2260, -9.4784, 6.8178
Hunter-Lab	83.4928, -4.8701, 13.4256

# Details

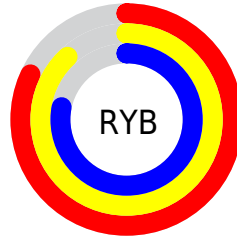
The Yxy color **69.7105, 0.3317, 0.3500** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.6065, 0.2939, 0.3071**, and the grayscale version is **69.6165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.4003, 0.3368, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **65.3695, 0.3491, 0.3683**, and if you desaturate by 10%, it is **74.3520, 0.3157, 0.3324**.

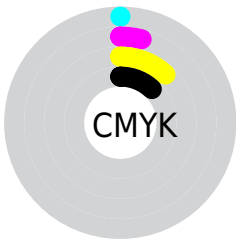
# Distribution



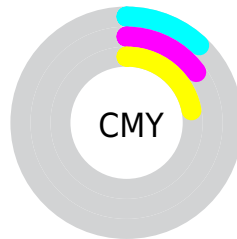
- Red (88%)
- Green (85%)
- Blue (78%)



- Red (82%)
- Yellow (88%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (12%)
- Black (12%)



- Cyan (12%)
- Magenta (15%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7105, 0.3317, 0.3500 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 69.7105, 0.3317, 0.3500 by changing the saturation by 10% instead.



69.7105, 0.3317,  
0.3500

69.7105, 0.3317,  
0.3500

459.5329, 0.3228,  
0.3402

51.2906, 0.3337,  
0.3523

118.7958, 0.3286,  
0.3466

36.4399, 0.3363,  
0.3551

150.2300, 0.3274,  
0.3453

24.7741, 0.3395,  
0.3586

186.7710, 0.3264,  
0.3441

15.9089, 0.3437,  
0.3633

228.8033, 0.3255,  
0.3431

9.4597, 0.3495,  
0.3698

276.7112, 0.3247,  
0.3423

5.0422, 0.3579,  
0.3792

330.8792, 0.3240,

2.2720, 0.3712,

0.3415

0.3942

391.6916, 0.3234,  
0.3408

0.7589, 0.4517,  
0.4822

0.0000, 0.0000,  
0.0000

69.7105, 0.3317,  
0.3500

69.7105, 0.3317,  
0.3500

65.3695, 0.3491,  
0.3683

74.3520, 0.3157,  
0.3324

61.3113, 0.3679,  
0.3868

79.2927, 0.3013,  
0.3158

57.5300, 0.3876,  
0.4049

83.8477, 0.2943,  
0.3107

54.0161, 0.4077,  
0.4217

87.7989, 0.2944,  
0.3176

■ 50.7592, 0.4276,  
0.4361

■ 91.8965, 0.2946,  
0.3244

■ 47.7476, 0.4461,  
0.4471

■ 94.7538, 0.2946,  
0.3289

■ 44.9685, 0.4625,  
0.4536

■ 42.4066, 0.4760,  
0.4551

■ 40.4985, 0.4847,  
0.4533

# Harmonies

## Analogous

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



69.7105, 0.3373, 0.3436



69.7105, 0.3317, 0.3500



69.7105, 0.3210, 0.3507

# Triad

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



69.7105, 0.3317, 0.3500



69.7105, 0.2898, 0.3237



69.7105, 0.3168, 0.3135

# Complementary

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



69.7105, 0.3317, 0.3500



61.6065, 0.2939, 0.3071

# 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.



69.7105, 0.3041, 0.3082



69.7105, 0.3317, 0.3500



69.7105, 0.2887, 0.3138

# Square

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



69.7105, 0.3317, 0.3500



69.7105, 0.2969, 0.3353



69.7105, 0.2939, 0.3083



69.7105, 0.3286, 0.3226



# Rectangle

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



69.7105, 0.3317, 0.3500



69.7105, 0.3126, 0.3478



69.7105, 0.2939, 0.3083



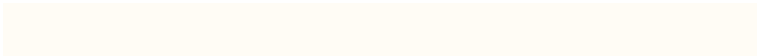
69.7105, 0.3125, 0.3112

# Sweetspot

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



69.7136, 0.3317, 0.3500



97.4395, 0.3188, 0.3359



60.8622, 0.3281, 0.3200



20.7546, 0.3200, 0.3372



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.



69.7136, 0.3317, 0.3500



91.3202, 0.3352, 0.3538



73.1067, 0.3267, 0.3590



15.3049, 0.3274, 0.3454



23.5409, 0.4835, 0.4543



1.7855, 0.4713, 0.4640



# Inverse Universe

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



61.6065, 0.2939, 0.3071



78.8761, 0.2905, 0.3030



58.5787, 0.2977, 0.2980



13.9046, 0.2981, 0.3121



5.6195, 0.1610, 0.0997

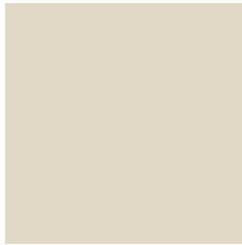


0.5425, 0.1696, 0.1304



# Previews

## White Background



This preview shows how the Yxy color 69.7105, 0.3317, 0.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

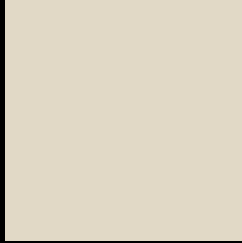
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.7105, 0.3317, 0.3500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

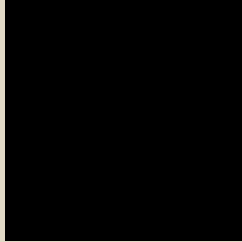
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

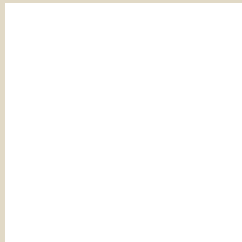
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.7105, 0.3317, 0.3500**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7105, 0.3317, 0.3500.

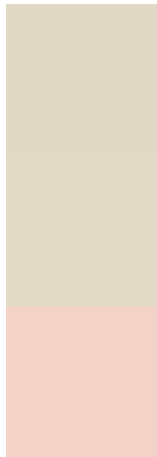


This preview shows how white text looks on a background with the Yxy color 69.7105, 0.3317, 0.3500.

# 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

69.7105, 0.3317, 0.3500

### Protanopia

69.8717, 0.3324, 0.3500

### Deuteranopia

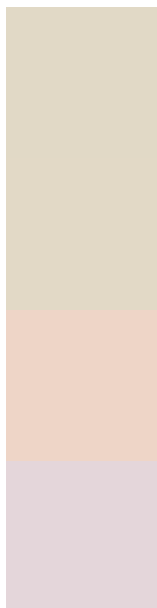
69.6292, 0.3475, 0.3407



## Tritanopia

69.4021, 0.3136, 0.3109

# Trichromacy



## Original Color

69.7105, 0.3317, 0.3500

## Protanomaly

69.8717, 0.3324, 0.3500

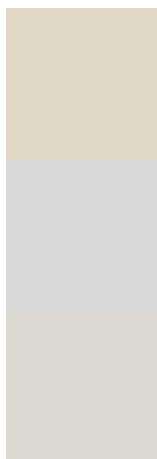
## Deuteranomaly

69.8892, 0.3415, 0.3441

## Tritanomaly

69.6491, 0.3203, 0.3247

# Monochromacy



## Original Color

69.7105, 0.3317, 0.3500

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.4945, 0.3196, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7105, 0.3317, 0.3500 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(225, 217, 198)` looks like.

```
.text, #text, p{  
    color:rgb(225, 217, 198)  
}
```

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(225, 217, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 217, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7105, 0.3317, 0.3500 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(225, 217, 198) }
```

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

```
.border{ border-color:rgb(225, 217, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 217, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 217, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 217, 198); box-shadow:4px 4px 4px 4px rgb(225, 217, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7105, 0.3317, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 217, 198) }
```

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

```
.background{ background-color: rgb(225,  
217, 198) }
```

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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