

# Converting Colors

$Yxy(68.9310, 0.3304, 0.3435)$

Have a look what the booklet for  
Yxy(68.9310, 0.3304, 0.3435)  
contains.

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# Color

**Yxy(69.0339, 0.3299, 0.3433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D7CA
RGB	226, 215, 202
RGB Percent	89%, 84%, 79%
CMY	0.1135, 0.1569, 0.2078
CMYK	0.00, 0.05, 0.11, 0.11
HSL	32°, 29%, 84%
HSV	32°, 11%, 89%
XYZ	66.3393, 69.0339, 65.7159
YIQ	216.8070, 10.7290, -1.7110

# Conversions

## Conversions Part 2

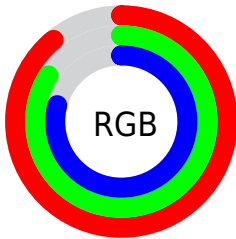
Format	Color
R <sub>Y</sub> B	222, 226, 202
Decimal	14866378
CIE Lab	86.52, 1.62, 7.74
CIE LCh	87, 7.910, 78.175
Yxy	69.0339, 0.3299, 0.3433
Android (android.graphics.Color)	4293056458 (0xFFE2D7CA)
YUV	216.8070, -7.2999, 8.0623
Hunter-Lab	83.0866, -2.8809, 11.2663

# Details

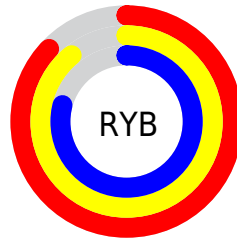
The Yxy color **69.0339, 0.3299, 0.3433** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.6852, 0.2962, 0.3143**, and the grayscale version is **69.3012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9377, 0.3345, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **62.9099, 0.3483, 0.3575**, and if you desaturate by 10%, it is **75.6582, 0.3137, 0.3298**.

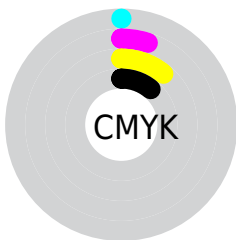
# Distribution



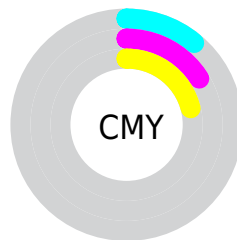
- Red (89%)
- Green (84%)
- Blue (79%)



- Red (87%)
- Yellow (89%)
- Blue (79%)



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



- Cyan (11%)
- Magenta (16%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0339, 0.3299, 0.3433 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 69.0339, 0.3299, 0.3433 by changing the saturation by 10% instead.



■ 69.0339, 0.3299,  
0.3433

■ 69.0339, 0.3299,  
0.3433

457.1505, 0.3219,  
0.3366

■ 50.7393, 0.3318,  
0.3448

117.8300, 0.3271,  
0.3410

■ 36.0012, 0.3341,  
0.3467

149.1003, 0.3260,  
0.3401

■ 24.4351, 0.3370,  
0.3491

185.4646, 0.3251,  
0.3393

■ 15.6567, 0.3409,  
0.3523

227.3074, 0.3243,  
0.3386

■ 9.2816, 0.3463,  
0.3567

275.0130, 0.3235,  
0.3381

■ 4.9253, 0.3542,  
0.3630

328.9657, 0.3229,

■ 2.2035, 0.3670,

0.3375

0.3730

389.5501, 0.3224,  
0.3371

0.7219, 0.4288,  
0.4266

0.0000, 0.0000,  
0.0000

69.0339, 0.3299,  
0.3433

69.0339, 0.3299,  
0.3433

62.9099, 0.3483,  
0.3575

75.6582, 0.3137,  
0.3298

57.2640, 0.3689,  
0.3720

82.7860, 0.2994,  
0.3172

52.0855, 0.3917,  
0.3865

89.4397, 0.2951,  
0.3201

47.3601, 0.4163,  
0.4000

94.9176, 0.2952,  
0.3289

■ 43.0721, 0.4421,  
0.4115

■ 39.2050, 0.4679,  
0.4199

■ 35.7403, 0.4924,  
0.4238

■ 32.6573, 0.5139,  
0.4224

■ 30.0876, 0.5309,  
0.4167

# Harmonies

## Analogous

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



69.0339, 0.3318, 0.3369



69.0339, 0.3299, 0.3433



69.0339, 0.3234, 0.3460

# Triad

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



69.0339, 0.3299, 0.3433



69.0339, 0.2972, 0.3292



69.0339, 0.3112, 0.3146

# Complementary

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



69.0339, 0.3299, 0.3433



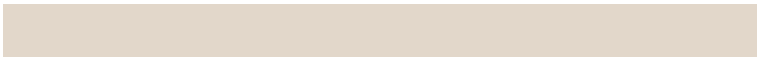
65.6852, 0.2962, 0.3143

# 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.



69.0339, 0.3020, 0.3125



69.0339, 0.3299, 0.3433



69.0339, 0.2940, 0.3207

# Square

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



69.0339, 0.3299, 0.3433



69.0339, 0.3045, 0.3378



69.0339, 0.2958, 0.3146



69.0339, 0.3209, 0.3205



# Rectangle

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



69.0339, 0.3299, 0.3433



69.0339, 0.3173, 0.3452



69.0339, 0.2958, 0.3146



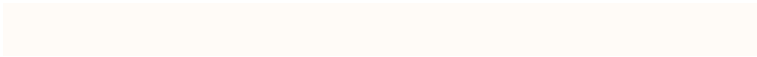
69.0339, 0.3079, 0.3135

# Sweetspot

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



69.0369, 0.3299, 0.3433



97.2900, 0.3174, 0.3330



63.2434, 0.3232, 0.3167



20.6712, 0.3186, 0.3340



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

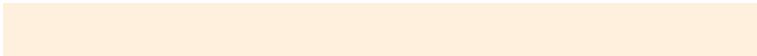


# Same Dimension

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



69.0369, 0.3299, 0.3433



88.6904, 0.3342, 0.3467



74.7361, 0.3279, 0.3552



14.9195, 0.3279, 0.3417



17.3961, 0.5287, 0.4184



1.3844, 0.5073, 0.4354

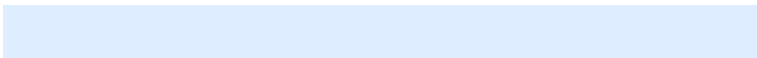


# Inverse Universe

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



65.6852, 0.2962, 0.3143



83.3607, 0.2923, 0.3106



60.4149, 0.2966, 0.3015



14.2781, 0.2981, 0.3160



9.0204, 0.1737, 0.1455

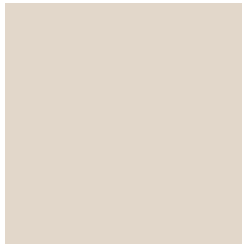


0.8029, 0.1819, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 69.0339, 0.3299, 0.3433 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

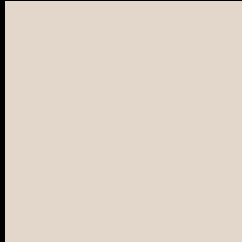
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0339, 0.3299, 0.3433 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

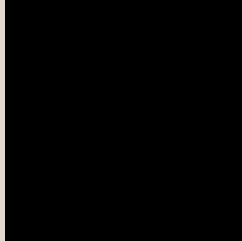
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

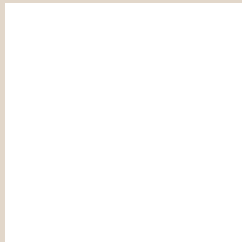
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.0339, 0.3299, 0.3433**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0339, 0.3299, 0.3433.

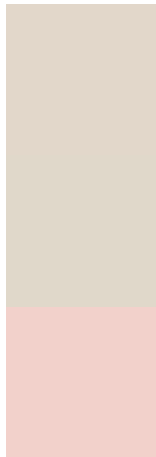


This preview shows how white text looks on a background with the Yxy color 69.0339, 0.3299, 0.3433.

# 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

69.0339, 0.3299, 0.3433

### Protanopia

69.2233, 0.3282, 0.3445

### Deuteranopia

68.7900, 0.3423, 0.3355



## Tritanopia

69.0130, 0.3150, 0.3109

# Trichromacy



## Original Color

69.0339, 0.3299, 0.3433

## Protanomaly

69.3836, 0.3290, 0.3445

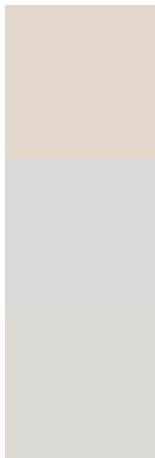
## Deuteranomaly

68.7332, 0.3373, 0.3377

## Tritanomaly

68.8595, 0.3205, 0.3215

# Monochromacy



## Original Color

69.0339, 0.3299, 0.3433

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.0808, 0.3183, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0339, 0.3299, 0.3433 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(226, 215, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 215, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0339, 0.3299, 0.3433 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, 202) }
```

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

```
.border{ border-color:rgb(226, 215, 202) }
```

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, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 215, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 215, 202); box-shadow:4px 4px 4px 4px rgb(226, 215, 202) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0339, 0.3299, 0.3433 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, 202) }
```

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

```
.background{ background-color: rgb(226,  
215, 202) }
```

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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