

# Converting Colors

$Yxy(69.7917, 0.3367, 0.3522)$

Have a look what the booklet for  
Yxy(69.7917, 0.3367, 0.3522)  
contains.

<b>Yxy(69.7099, 0.3370, 0.3521)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.7099, 0.3370, 0.3521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D8C3
RGB	229, 216, 195
RGB Percent	90%, 85%, 76%
CMY	0.1019, 0.1529, 0.2354
CMYK	0.00, 0.06, 0.15, 0.10
HSL	37°, 40%, 83%
HSV	37°, 15%, 90%
XYZ	66.7204, 69.7099, 61.5530
YIQ	217.4930, 14.4890, -3.7750

# Conversions

## Conversions Part 2

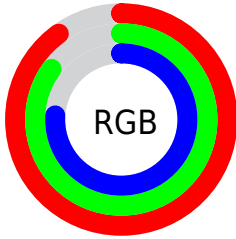
Format	Color
RYP	216, 229, 195
Decimal	15063235
CIELab	86.85, 1.03, 11.96
CIElCh	87, 12.008, 85.076
Yxy	69.7099, 0.3370, 0.3521
Android (android.graphics.Color)	4293253315 (0xFFE5D8C3)
YUV	217.4930, -11.0890, 10.0916
Hunter-Lab	83.4925, -3.4692, 14.7345

# Details

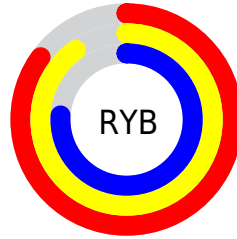
The Yxy color **69.7099, 0.3370, 0.3521** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.3624, 0.2893, 0.3048**, and the grayscale version is **69.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **36.2971, 0.3429, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **64.3884, 0.3556, 0.3685**, and if you desaturate by 10%, it is **75.4355, 0.3202, 0.3364**.

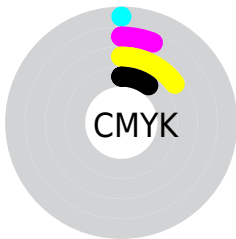
# Distribution



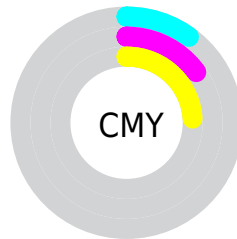
- Red (90%)
- Green (85%)
- Blue (76%)



- Red (85%)
- Yellow (90%)
- Blue (76%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (10%)



- Cyan (10%)
- Magenta (15%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7099, 0.3370, 0.3521 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 69.7099, 0.3370, 0.3521 by changing the saturation by 10% instead.



69.7099, 0.3370,  
0.3521

69.7099, 0.3370,  
0.3521

459.5308, 0.3257,  
0.3414

51.2901, 0.3396,  
0.3546

118.7950, 0.3330,  
0.3484

36.4395, 0.3429,  
0.3576

150.2290, 0.3315,  
0.3469

24.7738, 0.3470,  
0.3615

186.7698, 0.3302,  
0.3457

15.9086, 0.3524,  
0.3666

228.8020, 0.3290,  
0.3446

9.4595, 0.3599,  
0.3735

276.7097, 0.3280,  
0.3436

5.0421, 0.3707,  
0.3835

330.8775, 0.3272,

2.2720, 0.3877,

0.3428

0.3991

391.6897, 0.3264,  
0.3420

0.7588, 0.4959,  
0.5041

0.0000, 0.0000,  
0.0000

69.7099, 0.3370,  
0.3521

69.7099, 0.3370,  
0.3521

64.3884, 0.3556,  
0.3685

75.4355, 0.3202,  
0.3364

59.4508, 0.3760,  
0.3850

81.5662, 0.3052,  
0.3215

54.8886, 0.3978,  
0.4009

87.5433, 0.2968,  
0.3161

50.6895, 0.4205,  
0.4155

92.8875, 0.2969,  
0.3250

■ 46.8402, 0.4433,  
0.4274

■ 95.4005, 0.2970,  
0.3290

■ 43.3261, 0.4651,  
0.4357

■ 40.1307, 0.4846,  
0.4391

■ 37.2349, 0.5008,  
0.4372

■ 35.8501, 0.5082,  
0.4347

# Harmonies

## Analogous

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



69.7099, 0.3417, 0.3433



69.7099, 0.3370, 0.3521



69.7099, 0.3257, 0.3548

# Triad

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



69.7099, 0.3370, 0.3521



69.7099, 0.2876, 0.3260



69.7099, 0.3138, 0.3091

# Complementary

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



69.7099, 0.3370, 0.3521



62.3624, 0.2893, 0.3048

# 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.



69.7099, 0.2994, 0.3044



69.7099, 0.3370, 0.3521



69.7099, 0.2845, 0.3137

# Square

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



69.7099, 0.3370, 0.3521



69.7099, 0.2973, 0.3395



69.7099, 0.2888, 0.3060



69.7099, 0.3281, 0.3187



# Rectangle

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



69.7099, 0.3370, 0.3521



69.7099, 0.3161, 0.3525



69.7099, 0.2888, 0.3060



69.7099, 0.3088, 0.3069

# Sweetspot

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



69.7130, 0.3370, 0.3521



96.8978, 0.3189, 0.3351



60.2350, 0.3302, 0.3146



20.6173, 0.3201, 0.3362



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

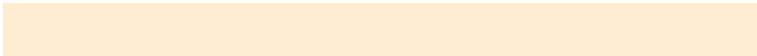


# Same Dimension

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



69.7130, 0.3370, 0.3521



86.7003, 0.3428, 0.3574



76.0007, 0.3321, 0.3661



15.8432, 0.3277, 0.3435



20.7339, 0.5064, 0.4361



1.7104, 0.4904, 0.4489



# Inverse Universe

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



62.3624, 0.2893, 0.3048



75.5343, 0.2839, 0.2989



56.8120, 0.2917, 0.2897



14.7857, 0.2981, 0.3141



7.3969, 0.1671, 0.1216

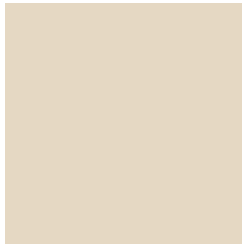


0.7217, 0.1752, 0.1507



# Previews

## White Background



This preview shows how the Yxy color 69.7099, 0.3370, 0.3521 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 69.7099, 0.3370, 0.3521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

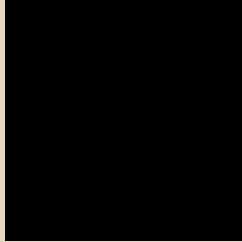
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

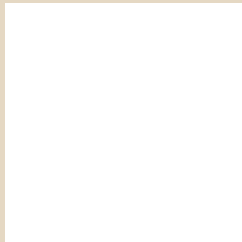
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.7099, 0.3370, 0.3521**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7099, 0.3370, 0.3521.

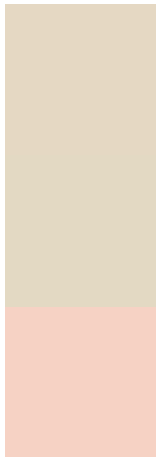


This preview shows how white text looks on a background with the Yxy color 69.7099, 0.3370, 0.3521.

# 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

69.7099, 0.3370, 0.3521

### Protanopia

69.8967, 0.3353, 0.3533

### Deuteranopia

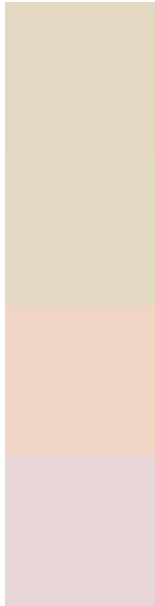
69.6715, 0.3505, 0.3439



## Tritanopia

69.5136, 0.3172, 0.3110

# Trichromacy



**Original Color**

69.7099, 0.3370, 0.3521

**Protanomaly**

70.0598, 0.3361, 0.3532

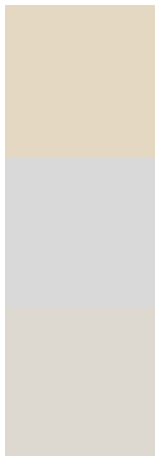
**Deuteranomaly**

69.5978, 0.3454, 0.3462

**Tritanomaly**

69.7022, 0.3247, 0.3258

# Monochromacy



**Original Color**

69.7099, 0.3370, 0.3521

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

69.6013, 0.3211, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7099, 0.3370, 0.3521 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(229, 216, 195)` looks like.

```
.text, #text, p{  
    color:rgb(229, 216, 195)  
}
```

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(229, 216, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 216, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7099, 0.3370, 0.3521 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(229, 216, 195) }
```

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

```
.border{ border-color:rgb(229, 216, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 216, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 216, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 216, 195);  
box-shadow:4px 4px 4px 4px rgb(229, 216,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7099, 0.3370, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 216, 195) }
```

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

```
.background{ background-color: rgb(229,  
216, 195) }
```

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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