

# Converting Colors

$Yxy(71.2396, 0.3242, 0.3413)$

Have a look what the booklet for  
Yxy(71.2396, 0.3242, 0.3413)  
contains.

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# Color

**Yxy(71.2247, 0.3245, 0.3410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1DBD0
RGB	225, 219, 208
RGB Percent	88%, 86%, 82%
CMY	0.1175, 0.1412, 0.1842
CMYK	0.00, 0.03, 0.08, 0.12
HSL	39°, 22%, 85%
HSV	39°, 8%, 88%
XYZ	67.7783, 71.2247, 69.8670
YIQ	219.5400, 7.1070, -2.1490

# Conversions

## Conversions Part 2

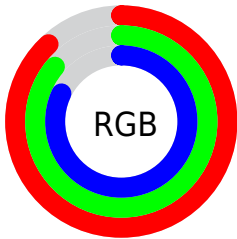
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 225, 208
Decimal	14801872
CIE Lab	87.59, 0.18, 6.11
CIE LCh	88, 6.108, 88.322
Yxy	71.2247, 0.3245, 0.3410
Android (android.graphics.Color)	4292991952 (0xFFE1DBD0)
YUV	219.5400, -5.6892, 4.7884
Hunter-Lab	84.3947, -4.3354, 9.9925

# Details

The Yxy color **71.2247, 0.3245, 0.3410** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.9805, 0.3011, 0.3167**, and the grayscale version is **71.2755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4301, 0.3273, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **66.1258, 0.3416, 0.3576**, and if you desaturate by 10%, it is **76.6873, 0.3091, 0.3252**.

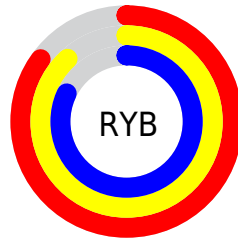
# Distribution



Red (88%)

Green (86%)

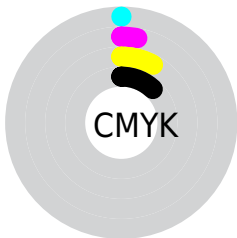
Blue (82%)



Red (85%)

Yellow (88%)

Blue (82%)

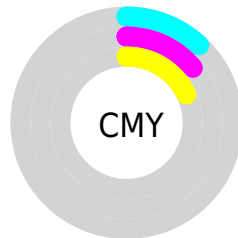


Cyan (0%)

Magenta (3%)

Yellow (8%)

Black (12%)



Cyan (12%)

Magenta (14%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2247, 0.3245, 0.3410 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 71.2247, 0.3245, 0.3410 by changing the saturation by 10% instead.



■ 71.2247, 0.3245,  
0.3410

■ 71.2247, 0.3245,  
0.3410

464.8385, 0.3190,  
0.3354

■ 52.5256, 0.3258,  
0.3423

120.9536, 0.3226,  
0.3391

■ 37.4242, 0.3273,  
0.3439

152.7522, 0.3219,  
0.3383

■ 25.5361, 0.3293,  
0.3459

189.6861, 0.3212,  
0.3377

■ 16.4769, 0.3319,  
0.3485

232.1396, 0.3207,  
0.3371

■ 9.8623, 0.3355,  
0.3522

280.4973, 0.3202,  
0.3366

■ 5.3077, 0.3407,  
0.3574

335.1434, 0.3197,

■ 2.4289, 0.3490,

0.3362

0.3658

396.4623, 0.3194,  
0.3358

0.8407, 0.3767,  
0.3942

0.0000, 0.0000,  
0.0000

71.2247, 0.3245,  
0.3410

71.2247, 0.3245,  
0.3410

66.1258, 0.3416,  
0.3576

76.6873, 0.3091,  
0.3252

61.3719, 0.3604,  
0.3747

82.5133, 0.2954,  
0.3105

56.9563, 0.3807,  
0.3917

87.3199, 0.2944,  
0.3168

52.8685, 0.4021,  
0.4080

92.2090, 0.2946,  
0.3249

■ 49.0971, 0.4241,  
0.4225

■ 94.7531, 0.2946,  
0.3289

■ 45.6300, 0.4456,  
0.4341

■ 42.4534, 0.4656,  
0.4417

■ 39.5521, 0.4830,  
0.4443

■ 36.9059, 0.4972,  
0.4418

# Harmonies

## Analogous

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



71.2247, 0.3272, 0.3370



71.2247, 0.3245, 0.3410



71.2247, 0.3186, 0.3418

# Triad

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



71.2247, 0.3245, 0.3410



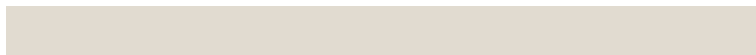
71.2247, 0.2996, 0.3269



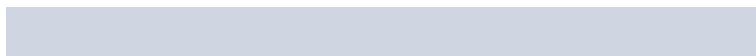
71.2247, 0.3141, 0.3192

# Complementary

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



71.2247, 0.3245, 0.3410



66.9805, 0.3011, 0.3167

# 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.



71.2247, 0.3067, 0.3165



71.2247, 0.3245, 0.3410



71.2247, 0.2984, 0.3208

# Square

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



71.2247, 0.3245, 0.3410



71.2247, 0.3042, 0.3336



71.2247, 0.3010, 0.3171



71.2247, 0.3212, 0.3245



# Rectangle

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



71.2247, 0.3245, 0.3410



71.2247, 0.3137, 0.3404



71.2247, 0.3010, 0.3171



71.2247, 0.3116, 0.3180

# Sweetspot

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



71.2278, 0.3245, 0.3410



98.5253, 0.3158, 0.3321



66.0071, 0.3212, 0.3222



21.1040, 0.3156, 0.3320



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

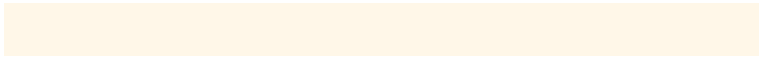


# Same Dimension

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



71.2278, 0.3245, 0.3410



93.5170, 0.3270, 0.3435



74.0754, 0.3223, 0.3476



15.1674, 0.3276, 0.3441



21.1337, 0.4989, 0.4421

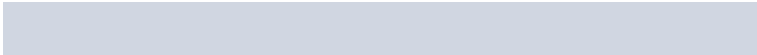


1.6318, 0.4835, 0.4543

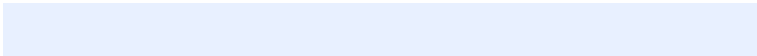


# Inverse Universe

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



66.9805, 0.3011, 0.3167



86.8240, 0.2987, 0.3141



64.3086, 0.3028, 0.3099



14.0361, 0.2981, 0.3135



6.6332, 0.1651, 0.1143

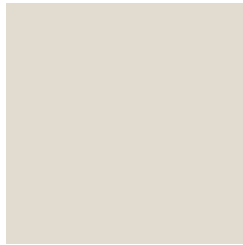


0.6246, 0.1737, 0.1453



# Previews

## White Background



This preview shows how the Yxy color 71.2247, 0.3245, 0.3410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

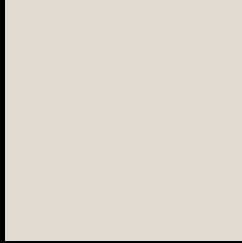
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.2247, 0.3245, 0.3410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

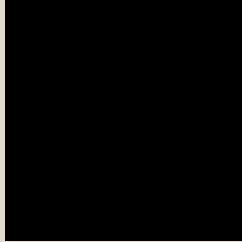
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

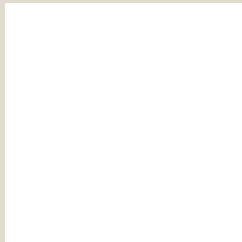
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.2247, 0.3245, 0.3410**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.2247, 0.3245, 0.3410.

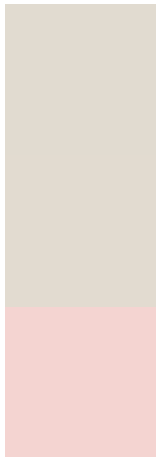


This preview shows how white text looks on a background with the Yxy color 71.2247, 0.3245, 0.3410.

# 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

71.2247, 0.3245, 0.3410

### Protanopia

71.3859, 0.3252, 0.3410

### Deuteranopia

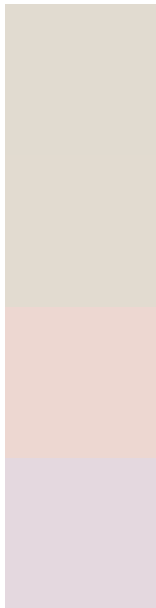
70.9235, 0.3390, 0.3322



## Tritanopia

71.0851, 0.3114, 0.3110

# Trichromacy



## Original Color

71.2247, 0.3245, 0.3410

## Protanomaly

71.3859, 0.3252, 0.3410

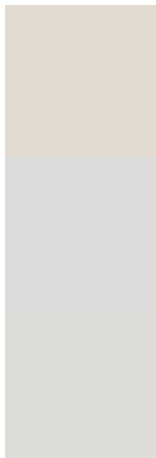
## Deuteranomaly

71.2089, 0.3332, 0.3354

## Tritanomaly

70.9334, 0.3167, 0.3215

# Monochromacy



## Original Color

71.2247, 0.3245, 0.3410

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.6739, 0.3168, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.2247, 0.3245, 0.3410 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, 219, 208)` looks like.

```
.text, #text, p{  
    color:rgb(225, 219, 208)  
}
```

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, 219, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 219, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 71.2247, 0.3245, 0.3410 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, 219, 208) }
```

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

```
.border{ border-color:rgb(225, 219, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 219, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 219, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 219, 208);  
box-shadow:4px 4px 4px 4px rgb(225, 219,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.2247, 0.3245, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 219, 208) }
```

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

```
.background{ background-color: rgb(225,  
219, 208) }
```

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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