

# Converting Colors

$Yxy(70.2768, 0.3397, 0.3468)$

Have a look what the booklet for  
Yxy(70.2768, 0.3397, 0.3468)  
contains.

<b>Yxy(70.3403, 0.3396, 0.3474)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.3403, 0.3396, 0.3474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD7C6
RGB	235, 215, 198
RGB Percent	92%, 84%, 78%
CMY	0.0783, 0.1569, 0.2235
CMYK	0.00, 0.09, 0.16, 0.08
HSL	28°, 48%, 85%
HSV	28°, 16%, 92%
XYZ	68.7610, 70.3403, 63.3751
YIQ	219.0420, 17.3770, -1.0470

# Conversions

## Conversions Part 2

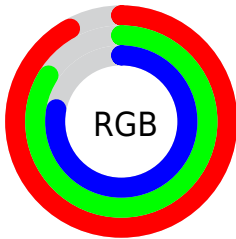
Format	Color
R <sub>Y</sub> B	235, 229, 198
Decimal	15456198
CIE Lab	87.16, 4.18, 10.88
CIE LCh	87, 11.657, 68.971
Yxy	70.3403, 0.3396, 0.3474
Android (android.graphics.Color)	4293646278 (0xFFEBD7C6)
YUV	219.0420, -10.3737, 13.9952
Hunter-Lab	83.8691, -0.4259, 13.9063

# Details

The Yxy color **70.3403, 0.3396, 0.3474** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1625, 0.2881, 0.3099**, and the grayscale version is **70.9372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7389, 0.3464, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **63.1166, 0.3600, 0.3598**, and if you desaturate by 10%, it is **78.2418, 0.3218, 0.3355**.

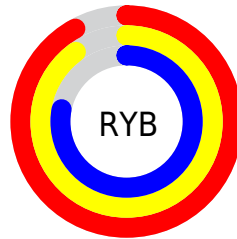
# Distribution



Red (92%)

Green (84%)

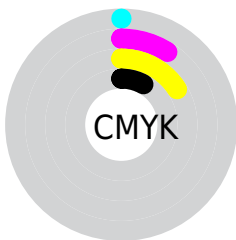
Blue (78%)



Red (92%)

Yellow (90%)

Blue (78%)

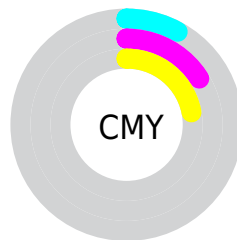


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (8%)



Cyan (8%)

Magenta (16%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3403, 0.3396, 0.3474 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 70.3403, 0.3396, 0.3474 by changing the saturation by 10% instead.



70.3403, 0.3396,  
0.3474

70.3403, 0.3396,  
0.3474

461.7440, 0.3270,  
0.3389

51.8040, 0.3425,  
0.3493

119.6939, 0.3352,  
0.3445

36.8489, 0.3461,  
0.3517

151.2800, 0.3335,  
0.3433

25.0905, 0.3507,  
0.3547

187.9849, 0.3321,  
0.3423

16.1445, 0.3568,  
0.3586

230.1929, 0.3308,  
0.3415

9.6265, 0.3651,  
0.3638

278.2884, 0.3297,  
0.3407

5.1520, 0.3772,  
0.3712

332.6558, 0.3287,

2.3367, 0.3964,

0.3401

393.6795, 0.3278,  
0.3395

0.3825

0.7930, 0.4886,  
0.4527

0.0000, 0.0000,  
0.0000

70.3403, 0.3396,  
0.3474

70.3403, 0.3396,  
0.3474

63.1166, 0.3600,  
0.3598

78.2418, 0.3218,  
0.3355

56.5421, 0.3831,  
0.3724

86.8298, 0.3065,  
0.3244

50.5998, 0.4090,  
0.3845

95.2244, 0.3006,  
0.3271

45.2684, 0.4372,  
0.3953

96.4073, 0.3006,  
0.3290

■ 40.5252, 0.4667,  
0.4035

■ 36.3455, 0.4961,  
0.4079

■ 32.7020, 0.5233,  
0.4073

■ 29.5639, 0.5463,  
0.4012

■ 28.3703, 0.5551,  
0.3975

# Harmonies

## Analogous

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



70.3403, 0.3401, 0.3368



70.3403, 0.3396, 0.3474



70.3403, 0.3318, 0.3534

# Triad

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



70.3403, 0.3396, 0.3474



70.3403, 0.2927, 0.3332



70.3403, 0.3060, 0.3065

# Complementary

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



70.3403, 0.3396, 0.3474



68.1625, 0.2881, 0.3099

# 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.



70.3403, 0.2937, 0.3052



70.3403, 0.3396, 0.3474



70.3403, 0.2861, 0.3202

# Square

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



70.3403, 0.3396, 0.3474



70.3403, 0.3047, 0.3453



70.3403, 0.2865, 0.3101



70.3403, 0.3204, 0.3135



# Rectangle

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



70.3403, 0.3396, 0.3474



70.3403, 0.3236, 0.3538



70.3403, 0.2865, 0.3101



70.3403, 0.3015, 0.3054

# Sweetspot

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



70.3434, 0.3396, 0.3474



94.8841, 0.3206, 0.3347



63.1343, 0.3268, 0.3072



20.1588, 0.3218, 0.3355



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

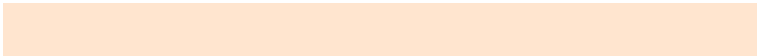


# Same Dimension

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



70.3434, 0.3396, 0.3474



81.6666, 0.3461, 0.3515



80.1230, 0.3366, 0.3662



16.1934, 0.3281, 0.3398



16.0339, 0.5524, 0.3995



1.4494, 0.5294, 0.4179

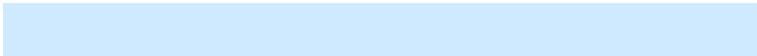


# Inverse Universe

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



68.1625, 0.2881, 0.3099



78.5616, 0.2827, 0.3054



59.2427, 0.2872, 0.2888



15.8989, 0.2981, 0.3179



12.0615, 0.1811, 0.1719

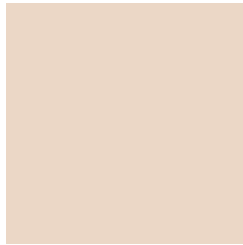


1.1392, 0.1876, 0.1954



# Previews

## White Background



This preview shows how the Yxy color 70.3403, 0.3396, 0.3474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

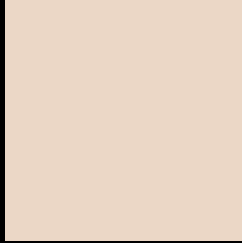
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.3403, 0.3396, 0.3474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

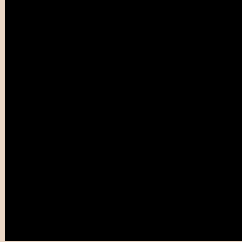
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.3403, 0.3396, 0.3474**

## Background



This preview shows how black text looks on a background with the Yxy color 70.3403, 0.3396, 0.3474.



This preview shows how white text looks on a background with the Yxy color 70.3403, 0.3396, 0.3474.

# 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

70.3403, 0.3396, 0.3474

### Protanopia

70.5972, 0.3323, 0.3499

### Deuteranopia

70.4862, 0.3488, 0.3417



## Tritanopia

70.4853, 0.3224, 0.3123

# Trichromacy



## Original Color

70.3403, 0.3396, 0.3474

## Protanomaly

70.5722, 0.3347, 0.3487

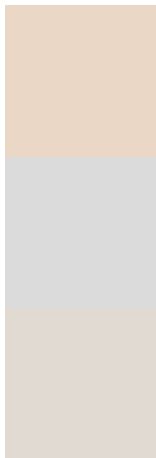
## Deuteranomaly

70.2652, 0.3455, 0.3429

## Tritanomaly

70.2220, 0.3293, 0.3248

# Monochromacy



## Original Color

70.3403, 0.3396, 0.3474

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.8535, 0.3225, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3403, 0.3396, 0.3474 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(235, 215, 198)` looks like.

```
.text, #text, p{  
    color:rgb(235, 215, 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(235, 215, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 215, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3403, 0.3396, 0.3474 is called "border". The border property can be set on classes, ids or directly on the HTML element.

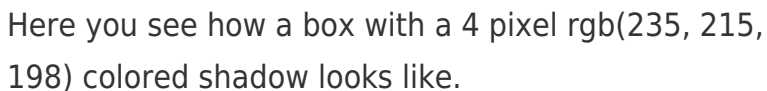
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 215, 198) }
```

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

```
.border{ border-color:rgb(235, 215, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 215, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 215, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 215, 198); box-shadow:4px 4px 4px 4px rgb(235, 215, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3403, 0.3396, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 215, 198) }
```

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

```
.background{ background-color: rgb(235,  
215, 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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