

# Converting Colors

$Y_{xy}(70.8900, 0.3280, 0.3404)$

Have a look what the booklet for  
Yxy(70.8900, 0.3280, 0.3404)  
contains.

<b>Yxy(70.6247, 0.3276, 0.3399)</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(70.6247, 0.3276, 0.3399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4D9CF
RGB	228, 217, 207
RGB Percent	89%, 85%, 81%
CMY	0.1059, 0.1490, 0.1882
CMYK	0.00, 0.05, 0.09, 0.11
HSL	29°, 28%, 85%
HSV	29°, 9%, 89%
XYZ	68.0690, 70.6247, 69.0871
YIQ	219.1490, 9.7660, -0.7780

# Conversions

## Conversions Part 2

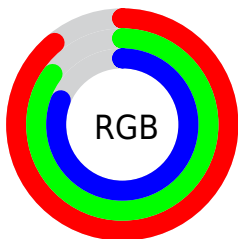
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 226, 207
Decimal	14997967
CIE Lab	87.30, 2.07, 6.25
CIE LCh	87, 6.582, 71.635
Yxy	70.6247, 0.3276, 0.3399
Android (android.graphics.Color)	4293188047 (0xFFE4D9CF)
YUV	219.1490, -5.9895, 7.7623
Hunter-Lab	84.0385, -2.4870, 10.0853

# Details

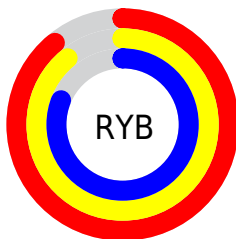
The Yxy color **70.6247, 0.3276, 0.3399** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.0116, 0.2985, 0.3179**, and the grayscale version is **70.9860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0248, 0.3315, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **63.6578, 0.3461, 0.3524**, and if you desaturate by 10%, it is **78.2040, 0.3115, 0.3281**.

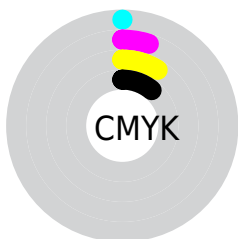
# Distribution



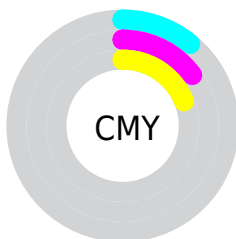
- Red (89%)
- Green (85%)
- Blue (81%)



- Red (89%)
- Yellow (89%)
- Blue (81%)



- Cyan (0%)
- Magenta (5%)
- Yellow (9%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6247, 0.3276, 0.3399 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 70.6247, 0.3276, 0.3399 by changing the saturation by 10% instead.



■ 70.6247, 0.3276,  
0.3399

■ 70.6247, 0.3276,  
0.3399

462.7404, 0.3207,  
0.3349

■ 52.0360, 0.3292,  
0.3411

120.0992, 0.3252,  
0.3381

■ 37.0338, 0.3312,  
0.3425

151.7538, 0.3242,  
0.3375

■ 25.2336, 0.3337,  
0.3443

188.5324, 0.3234,  
0.3369

■ 16.2512, 0.3371,  
0.3467

230.8195, 0.3227,  
0.3364

■ 9.7021, 0.3417,  
0.3499

278.9994, 0.3221,  
0.3359

■ 5.2019, 0.3484,  
0.3546

333.4566, 0.3216,

■ 2.3662, 0.3591,

0.3355

0.3619

394.5755, 0.3211,  
0.3352

0.8084, 0.3955,  
0.3904

0.0000, 0.0000,  
0.0000

70.6247, 0.3276,  
0.3399

70.6247, 0.3276,  
0.3399

63.6578, 0.3461,  
0.3524

78.2040, 0.3115,  
0.3281

57.2779, 0.3672,  
0.3654

86.4021, 0.2975,  
0.3171

51.4711, 0.3909,  
0.3783

93.8514, 0.2963,  
0.3268

46.2193, 0.4170,  
0.3904

95.2321, 0.2964,  
0.3290

■ 41.5035, 0.4451,  
0.4009

■ 37.3032, 0.4739,  
0.4084

■ 33.5960, 0.5019,  
0.4116

■ 30.3571, 0.5270,  
0.4096

■ 27.5534, 0.5481,  
0.4024

# Harmonies

## Analogous

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



70.6247, 0.3282, 0.3341



70.6247, 0.3276, 0.3399



70.6247, 0.3230, 0.3428

# Triad

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



70.6247, 0.3276, 0.3399



70.6247, 0.3009, 0.3308



70.6247, 0.3097, 0.3164

# Complementary

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



70.6247, 0.3276, 0.3399



69.0116, 0.2985, 0.3179

# 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.



70.6247, 0.3025, 0.3154



70.6247, 0.3276, 0.3399



70.6247, 0.2975, 0.3236

# Square

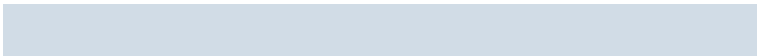
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6247, 0.3276, 0.3399



70.6247, 0.3075, 0.3376



70.6247, 0.2980, 0.3180



70.6247, 0.3178, 0.3207



# Rectangle

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



70.6247, 0.3276, 0.3399



70.6247, 0.3182, 0.3427



70.6247, 0.2980, 0.3180



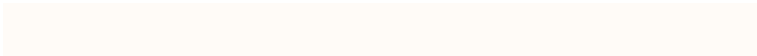
70.6247, 0.3071, 0.3157

# Sweetspot

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



70.6278, 0.3276, 0.3399



96.9877, 0.3174, 0.3325



66.1996, 0.3207, 0.3169



20.5897, 0.3187, 0.3335



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

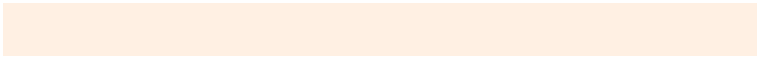


# Same Dimension

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



70.6278, 0.3276, 0.3399



89.3071, 0.3309, 0.3422



76.0946, 0.3264, 0.3508



15.4948, 0.3281, 0.3402



16.0257, 0.5473, 0.4037

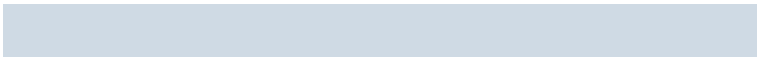


1.3693, 0.5237, 0.4223

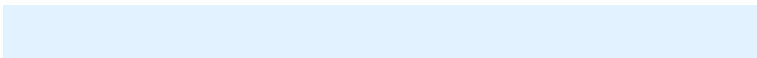


# Inverse Universe

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



69.0116, 0.2985, 0.3179



86.8320, 0.2956, 0.3154



63.8434, 0.2984, 0.3062



15.1299, 0.2981, 0.3175



11.1462, 0.1795, 0.1661

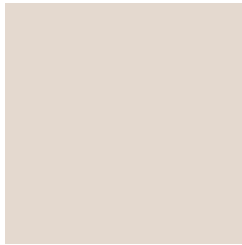


1.0095, 0.1866, 0.1917



# Previews

## White Background



This preview shows how the Yxy color 70.6247, 0.3276, 0.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

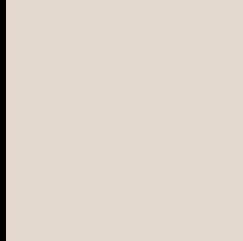
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6247, 0.3276, 0.3399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

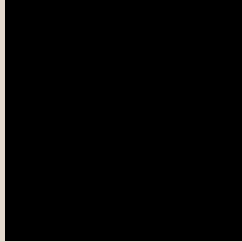
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

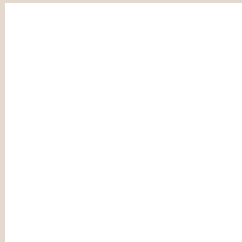
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6247, 0.3276, 0.3399**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6247, 0.3276, 0.3399.

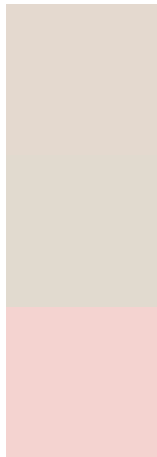


This preview shows how white text looks on a background with the Yxy color 70.6247, 0.3276, 0.3399.

# 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

70.6247, 0.3276, 0.3399

### Protanopia

70.6554, 0.3253, 0.3411

### Deuteranopia

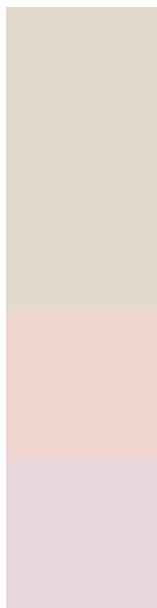
70.3757, 0.3398, 0.3322



## Tritanopia

70.2906, 0.3143, 0.3110

# Trichromacy



## Original Color

70.6247, 0.3276, 0.3399

## Protanomaly

70.8166, 0.3260, 0.3410

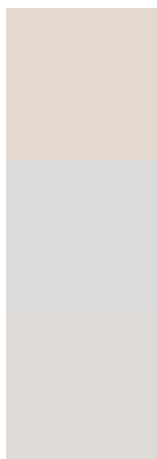
## Deuteranomaly

70.3197, 0.3350, 0.3344

## Tritanomaly

70.1901, 0.3190, 0.3205

# Monochromacy



## Original Color

70.6247, 0.3276, 0.3399

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.5787, 0.3176, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6247, 0.3276, 0.3399 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(228, 217, 207)` looks like.

```
.text, #text, p{  
    color:rgb(228, 217, 207)  
}
```

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(228, 217, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 217, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6247, 0.3276, 0.3399 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(228, 217, 207) }
```

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

```
.border{ border-color:rgb(228, 217, 207) }
```

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

Here you see how a box with a 4 pixel rgb(228, 217, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 217, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 217, 207);  
box-shadow:4px 4px 4px 4px rgb(228, 217,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6247, 0.3276, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 217, 207) }
```

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

```
.background{ background-color: rgb(228,  
217, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor