

# Converting Colors

$Yxy(68.7712, 0.3198, 0.3219)$

Have a look what the booklet for  
Yxy(68.7712, 0.3198, 0.3219)  
contains.

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# Color

**Yxy(68.6954, 0.3197, 0.3215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4D4DB
RGB	228, 212, 219
RGB Percent	89%, 83%, 86%
CMY	0.1061, 0.1685, 0.1412
CMYK	0.00, 0.07, 0.04, 0.11
HSL	334°, 23%, 86%
HSV	334°, 7%, 89%
XYZ	68.3108, 68.6954, 76.6653
YIQ	217.5820, 7.2890, 5.5690

# Conversions

## Conversions Part 2

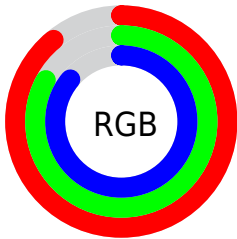
Format	Color
R <sub>Y</sub> B	228, 212, 219
Decimal	14996699
CIE Lab	86.35, 6.70, -1.46
CIE LCh	86, 6.852, 347.724
Yxy	68.6954, 0.3197, 0.3215
Android (android.graphics.Color)	4293186779 (0xFFE4D4DB)
YUV	217.5820, 0.6991, 9.1366
Hunter-Lab	82.8827, 2.0726, 3.1754

# Details

The Yxy color **68.6954, 0.3197, 0.3215** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.6800, 0.3062, 0.3366**, and the grayscale version is **69.7969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6785, 0.3220, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **57.4432, 0.3315, 0.3102**, and if you desaturate by 10%, it is **81.6146, 0.3100, 0.3321**.

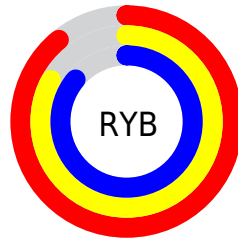
# Distribution



Red (89%)

Green (83%)

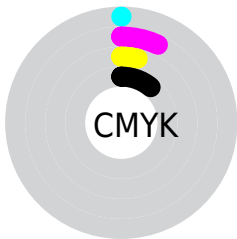
Blue (86%)



Red (89%)

Yellow (83%)

Blue (86%)

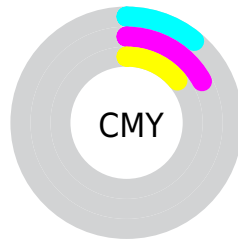


Cyan (0%)

Magenta (7%)

Yellow (4%)

Black (11%)



Cyan (11%)

Magenta (17%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6954, 0.3197, 0.3215 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 68.6954, 0.3197, 0.3215 by changing the saturation by 10% instead.




 68.6954, 0.3197,  
0.3215

 68.6954, 0.3197,  
0.3215

455.9559, 0.3164,  
0.3250

 50.4637, 0.3205,  
0.3207


117.3464, 0.3186,  
0.3227

 35.7820, 0.3214,  
0.3197


148.5345, 0.3181,  
0.3232

 24.2659, 0.3226,  
0.3184


184.8102, 0.3177,  
0.3236

 15.5309, 0.3241,  
0.3168

226.5578, 0.3174,  
0.3240

 9.1929, 0.3263,  
0.3145

274.1618, 0.3171,  
0.3243

 4.8672, 0.3294,  
0.3111

328.0065, 0.3169,

 2.1695, 0.3345,

0.3245

388.4765, 0.3166,  
0.3248

0.3058

0.7033, 0.3462,  
0.2927

0.0000, 0.0000,  
0.0000

68.6954, 0.3197,  
0.3215

68.6954, 0.3197,  
0.3215

57.4432, 0.3315,  
0.3102

81.6146, 0.3100,  
0.3321

47.7808, 0.3458,  
0.2985

94.5770, 0.3020,  
0.3394

39.6383, 0.3630,  
0.2867

95.2259, 0.2964,  
0.3290

32.9369, 0.3833,  
0.2754

■ 27.5909, 0.4068,  
0.2656

■ 23.5052, 0.4332,  
0.2584

■ 20.5722, 0.4615,  
0.2552

■ 18.6660, 0.4903,  
0.2570

■ 17.6242, 0.5177,  
0.2642

# Harmonies

## Analogous

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



68.6954, 0.3113, 0.3165



68.6954, 0.3197, 0.3215



68.6954, 0.3263, 0.3285

# Triad

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



68.6954, 0.3197, 0.3215



68.6954, 0.3221, 0.3437



68.6954, 0.2965, 0.3219

# Complementary

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



68.6954, 0.3197, 0.3215



74.6800, 0.3062, 0.3366

# 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.



68.6954, 0.2993, 0.3293



68.6954, 0.3197, 0.3215



68.6954, 0.3140, 0.3420

# Square

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



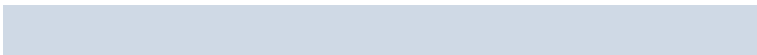
68.6954, 0.3197, 0.3215



68.6954, 0.3277, 0.3414



68.6954, 0.3057, 0.3367



68.6954, 0.2979, 0.3166



# Rectangle

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



68.6954, 0.3197, 0.3215



68.6954, 0.3288, 0.3334



68.6954, 0.3057, 0.3367



68.6954, 0.2970, 0.3242

# Sweetspot

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



68.6984, 0.3197, 0.3215



96.6055, 0.3146, 0.3269



68.0357, 0.3083, 0.3117



20.7131, 0.3145, 0.3270



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.



68.6984, 0.3197, 0.3215



86.9501, 0.3208, 0.3203



68.7386, 0.3245, 0.3299



14.4721, 0.3224, 0.3188



10.0745, 0.5219, 0.2649



0.7629, 0.4854, 0.2447



# Inverse Universe

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



68.6984, 0.3197, 0.3215



86.9501, 0.3208, 0.3203



74.6217, 0.3019, 0.3281



14.4721, 0.3224, 0.3188



10.0745, 0.5219, 0.2649

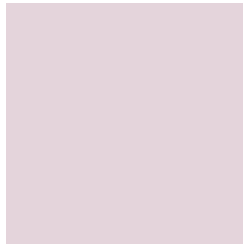


0.7629, 0.4854, 0.2447



# Previews

## White Background



This preview shows how the Yxy color 68.6954, 0.3197, 0.3215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

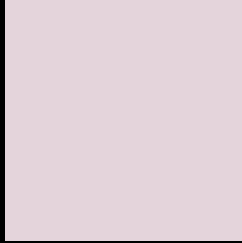
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6954, 0.3197, 0.3215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

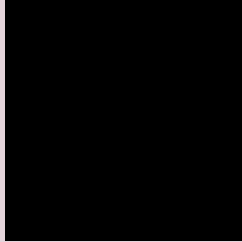
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

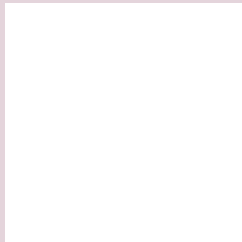
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6954, 0.3197, 0.3215**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6954, 0.3197, 0.3215.

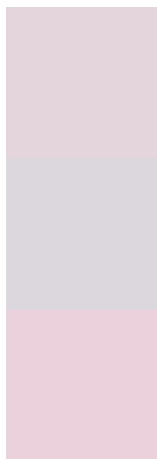


This preview shows how white text looks on a background with the Yxy color 68.6954, 0.3197, 0.3215.

# 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

68.6954, 0.3197, 0.3215

### Protanopia

68.8814, 0.3116, 0.3224

### Deuteranopia

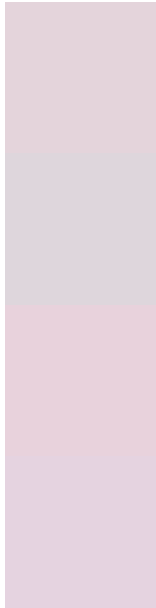
68.4304, 0.3245, 0.3173



## Tritanopia

68.7926, 0.3150, 0.3119

# Trichromacy



## Original Color

68.6954, 0.3197, 0.3215

## Protanomaly

68.7900, 0.3145, 0.3225

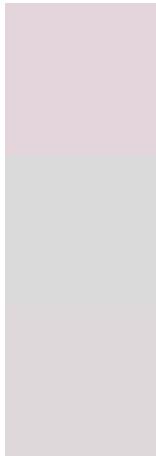
## Deuteranomaly

68.4163, 0.3222, 0.3183

## Tritanomaly

68.6284, 0.3171, 0.3151

# Monochromacy



## Original Color

68.6954, 0.3197, 0.3215

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.7033, 0.3157, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6954, 0.3197, 0.3215 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, 212, 219)` looks like.

```
.text, #text, p{  
    color:rgb(228, 212, 219)  
}
```

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, 212, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 212, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6954, 0.3197, 0.3215 is called "border". The border property can be set on classes, ids or directly on the HTML element.

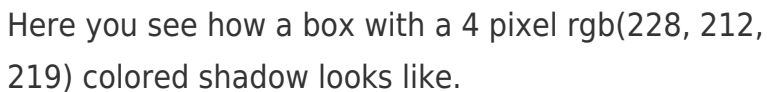
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 212, 219) }
```

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

```
.border{ border-color:rgb(228, 212, 219) }
```

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



Here you see how a box with a 4 pixel rgb(228, 212, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 212, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 212, 219);  
box-shadow:4px 4px 4px 4px rgb(228, 212,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6954, 0.3197, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 212, 219) }
```

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

```
.background{ background-color: rgb(228,  
212, 219) }
```

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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