

# Converting Colors

Yxy(67.9998, 0.3199, 0.3230)

Have a look what the booklet for  
Yxy(67.9998, 0.3199, 0.3230)  
contains.

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# Color

**Yxy(67.7670, 0.3197, 0.3225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D3D9
RGB	226, 211, 217
RGB Percent	89%, 83%, 85%
CMY	0.1138, 0.1725, 0.1490
CMYK	0.00, 0.07, 0.04, 0.11
HSL	336°, 21%, 86%
HSV	336°, 7%, 89%
XYZ	67.1786, 67.7670, 75.1846
YIQ	216.1690, 7.0140, 5.0460

# Conversions

## Conversions Part 2

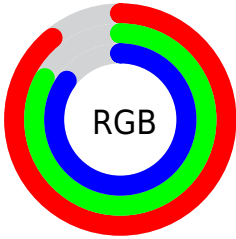
Format	Color
R <sub>Y</sub> B	226, 211, 217
Decimal	14865369
CIE Lab	85.89, 6.20, -1.10
CIE LCh	86, 6.301, 349.923
Yxy	67.7670, 0.3197, 0.3225
Android (android.graphics.Color)	4293055449 (0xFFE2D3D9)
YUV	216.1690, 0.4097, 8.6218
Hunter-Lab	82.3207, 1.6054, 3.4742

# Details

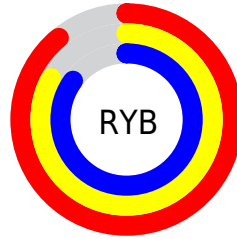
The Yxy color **67.7670, 0.3197, 0.3225** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.4018, 0.3062, 0.3356**, and the grayscale version is **68.7845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3805, 0.3219, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **56.6420, 0.3321, 0.3122**, and if you desaturate by 10%, it is **80.5343, 0.3095, 0.3322**.

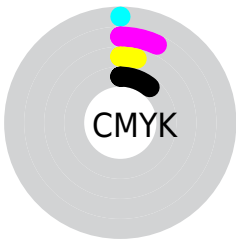
# Distribution



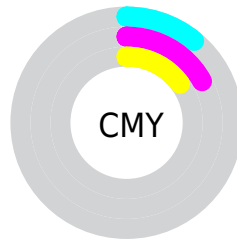
- Red (89%)
- Green (83%)
- Blue (85%)



- Red (89%)
- Yellow (83%)
- Blue (85%)



- Cyan (0%)
- Magenta (7%)
- Yellow (4%)
- Black (11%)




- Cyan (11%)
- Magenta (17%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7670, 0.3197, 0.3225 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 67.7670, 0.3197, 0.3225 by changing the saturation by 10% instead.




 67.7670, 0.3197,  
0.3225

 67.7670, 0.3197,  
0.3225


452.6700, 0.3164,  
0.3255

 49.7082, 0.3205,  
0.3218

116.0188, 0.3186,  
0.3236

 35.1816, 0.3214,  
0.3209


146.9805, 0.3181,  
0.3240

 23.8028, 0.3226,  
0.3198


183.0120, 0.3177,  
0.3243

 15.1874, 0.3242,  
0.3183

224.4977, 0.3174,  
0.3246

 8.9510, 0.3264,  
0.3163

271.8220, 0.3171,  
0.3249

 4.7092, 0.3296,  
0.3134

325.3692, 0.3169,

 2.0777, 0.3348,

0.3251

0.3086

385.5237, 0.3166,  
0.3254

0.6520, 0.3489,  
0.2950

0.0000, 0.0000,  
0.0000

67.7670, 0.3197,  
0.3225

67.7670, 0.3197,  
0.3225

56.6420, 0.3321,  
0.3122

80.5343, 0.3095,  
0.3322

47.0837, 0.3473,  
0.3014

94.2251, 0.3011,  
0.3400

39.0234, 0.3655,  
0.2906

94.9062, 0.2952,  
0.3289

32.3840, 0.3872,  
0.2802

■ 27.0816, 0.4124,  
0.2713

■ 23.0231, 0.4408,  
0.2648

■ 20.1036, 0.4714,  
0.2622

■ 18.2002, 0.5025,  
0.2646

■ 17.1575, 0.5316,  
0.2722

# Harmonies

## Analogous

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



67.7670, 0.3120, 0.3176



67.7670, 0.3197, 0.3225



67.7670, 0.3256, 0.3291

# Triad

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



67.7670, 0.3197, 0.3225



67.7670, 0.3209, 0.3426



67.7670, 0.2977, 0.3220

# Complementary

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



67.7670, 0.3197, 0.3225



73.4018, 0.3062, 0.3356

# 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.



67.7670, 0.3000, 0.3288



67.7670, 0.3197, 0.3225



67.7670, 0.3133, 0.3408

# Square

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



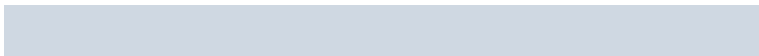
67.7670, 0.3197, 0.3225



67.7670, 0.3263, 0.3407



67.7670, 0.3057, 0.3357



67.7670, 0.2993, 0.3173



# Rectangle

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



67.7670, 0.3197, 0.3225



67.7670, 0.3277, 0.3336



67.7670, 0.3057, 0.3357



67.7670, 0.2980, 0.3241

# Sweetspot

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



67.7699, 0.3197, 0.3225



96.5936, 0.3147, 0.3271



67.2600, 0.3089, 0.3126



20.7107, 0.3146, 0.3272



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.



67.7699, 0.3197, 0.3225



86.9045, 0.3213, 0.3211



68.0863, 0.3238, 0.3304



13.7909, 0.3230, 0.3197



9.6713, 0.5370, 0.2732



0.6877, 0.4962, 0.2507



# Inverse Universe

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



67.7699, 0.3197, 0.3225



86.9045, 0.3213, 0.3211



73.0488, 0.3025, 0.3276



13.7909, 0.3230, 0.3197



9.6713, 0.5370, 0.2732

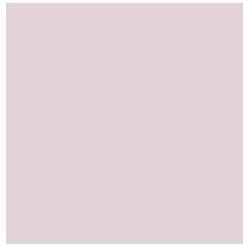


0.6877, 0.4962, 0.2507



# Previews

## White Background



This preview shows how the Yxy color 67.7670, 0.3197, 0.3225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

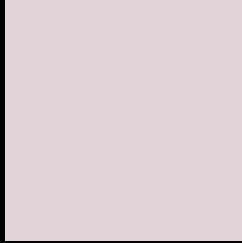
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7670, 0.3197, 0.3225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

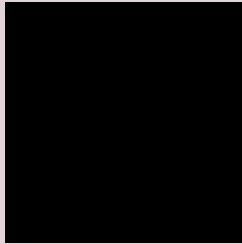
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

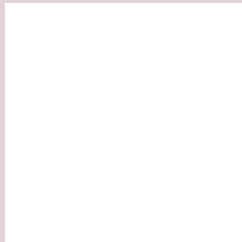
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.7670, 0.3197, 0.3225**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7670, 0.3197, 0.3225.

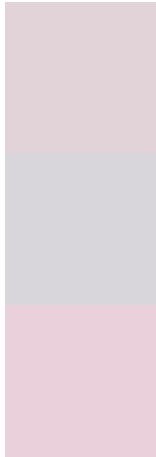


This preview shows how white text looks on a background with the Yxy color 67.7670, 0.3197, 0.3225.

# 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

67.7670, 0.3197, 0.3225

### Protanopia

67.9593, 0.3115, 0.3235

### Deuteranopia

67.6661, 0.3253, 0.3183



## Tritanopia

67.9151, 0.3143, 0.3118

# Trichromacy



## Original Color

67.7670, 0.3197, 0.3225

## Protanomaly

67.8661, 0.3144, 0.3235

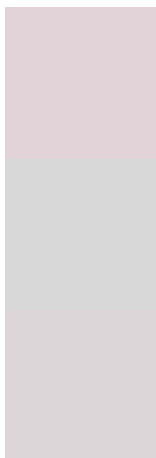
## Deuteranomaly

67.6518, 0.3229, 0.3193

## Tritanomaly

67.7518, 0.3163, 0.3150

# Monochromacy



## Original Color

67.7670, 0.3197, 0.3225

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.2666, 0.3157, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7670, 0.3197, 0.3225 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(226, 211, 217)` looks like.

```
.text, #text, p{  
    color:rgb(226, 211, 217)  
}
```

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(226, 211, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 211, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7670, 0.3197, 0.3225 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(226, 211, 217) }
```

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

```
.border{ border-color:rgb(226, 211, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 211, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 211, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 211, 217);  
box-shadow:4px 4px 4px 4px rgb(226, 211,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7670, 0.3197, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 211, 217) }
```

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

```
.background{ background-color: rgb(226,  
211, 217) }
```

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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