

# Converting Colors

$Yxy(67.8052, 0.3236, 0.3244)$

Have a look what the booklet for  
Yxy(67.8052, 0.3236, 0.3244)  
contains.

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# Color

**Yxy(67.6575, 0.3235, 0.3236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D2D7
RGB	229, 210, 215
RGB Percent	90%, 82%, 84%
CMY	0.1018, 0.1765, 0.1569
CMYK	0.00, 0.08, 0.06, 0.10
HSL	344°, 27%, 86%
HSV	344°, 8%, 90%
XYZ	67.6366, 67.6575, 73.7835
YIQ	216.2510, 9.7190, 5.5830

# Conversions

## Conversions Part 2

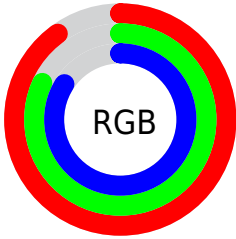
Format	Color
R <sub>Y</sub> B	229, 210, 215
Decimal	15061719
CIE Lab	85.83, 7.45, -0.09
CIE LCh	86, 7.450, 359.292
Yxy	67.6575, 0.3235, 0.3236
Android (android.graphics.Color)	4293251799 (0xFFE5D2D7)
YUV	216.2510, -0.6167, 11.1809
Hunter-Lab	82.2542, 2.8335, 4.3937

# Details

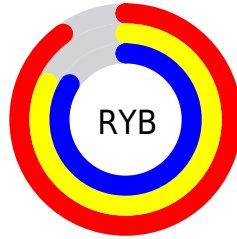
The Yxy color  $67.6575, 0.3235, 0.3236$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $75.1497, 0.3030, 0.3345$ , and the grayscale version is  $68.8540, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.1992, 0.3258, 0.3234$  is the 20% darker color. If you saturate the color by 10%, you get  $56.3253, 0.3392, 0.3167$ , and if you desaturate by 10%, it is  $80.7038, 0.3108, 0.3300$ .

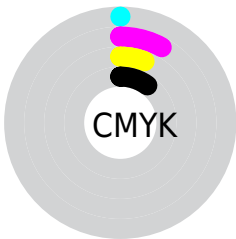
# Distribution



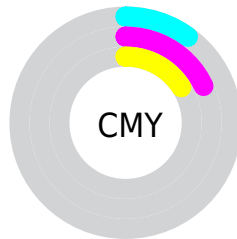
- Red (90%)
- Green (82%)
- Blue (84%)



- Red (90%)
- Yellow (82%)
- Blue (84%)



- Cyan (0%)
- Magenta (8%)
- Yellow (6%)
- Black (10%)




- Cyan (10%)
- Magenta (18%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6575, 0.3235, 0.3236 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 67.6575, 0.3235, 0.3236 by changing the saturation by 10% instead.




 67.6575, 0.3235,  
0.3236

 67.6575, 0.3235,  
0.3236

452.2816, 0.3184,  
0.3261

 49.6191, 0.3247,  
0.3230

115.8620, 0.3217,  
0.3245

 35.1109, 0.3261,  
0.3223


146.7970, 0.3210,  
0.3248

 23.7483, 0.3280,  
0.3213


182.7996, 0.3205,  
0.3251

 15.1470, 0.3305,  
0.3201

224.2543, 0.3200,  
0.3254

 8.9226, 0.3339,  
0.3184

271.5455, 0.3195,  
0.3256

 4.6907, 0.3390,  
0.3158

325.0575, 0.3191,

 2.0670, 0.3472,

0.3258

0.3117

385.1747, 0.3188,  
0.3260

0.6460, 0.3699,  
0.3002

0.0000, 0.0000,  
0.0000

67.6575, 0.3235,  
0.3236

67.6575, 0.3235,  
0.3236

56.3253, 0.3392,  
0.3167

80.7038, 0.3108,  
0.3300

46.6272, 0.3585,  
0.3096

95.0111, 0.3004,  
0.3352

38.4900, 0.3821,  
0.3024

95.4061, 0.2970,  
0.3290

31.8315, 0.4104,  
0.2958

■ 26.5620, 0.4434,  
0.2906

■ 22.5816, 0.4804,  
0.2877

■ 19.7776, 0.5191,  
0.2884

■ 18.0167, 0.5561,  
0.2933

■ 17.1090, 0.5874,  
0.3021

# Harmonies

## Analogous

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



67.6575, 0.3148, 0.3171



67.6575, 0.3235, 0.3236



67.6575, 0.3294, 0.3316

# Triad

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



67.6575, 0.3235, 0.3236



67.6575, 0.3197, 0.3449



67.6575, 0.2950, 0.3186

# Complementary

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



67.6575, 0.3235, 0.3236



75.1497, 0.3030, 0.3345

# 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.



67.6575, 0.2963, 0.3261



67.6575, 0.3235, 0.3236



67.6575, 0.3105, 0.3414

# Square

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



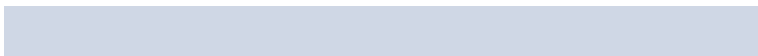
67.6575, 0.3235, 0.3236



67.6575, 0.3272, 0.3440



67.6575, 0.3020, 0.3344



67.6575, 0.2984, 0.3141



# Rectangle

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



67.6575, 0.3235, 0.3236



67.6575, 0.3308, 0.3368



67.6575, 0.3020, 0.3344



67.6575, 0.2950, 0.3209

# Sweetspot

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



67.6605, 0.3235, 0.3236



96.5493, 0.3152, 0.3277



67.5899, 0.3099, 0.3084



20.7017, 0.3150, 0.3278



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.



67.6605, 0.3235, 0.3236



83.6437, 0.3260, 0.3224



69.6332, 0.3266, 0.3339



14.4299, 0.3251, 0.3228



9.7289, 0.5883, 0.3014



0.7339, 0.5467, 0.2785



# Inverse Universe

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



67.6605, 0.3235, 0.3236



83.6437, 0.3260, 0.3224



72.9953, 0.2999, 0.3241



14.4299, 0.3251, 0.3228



9.7289, 0.5883, 0.3014



0.7339, 0.5467, 0.2785



# Previews

## White Background



This preview shows how the Yxy color 67.6575, 0.3235, 0.3236 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

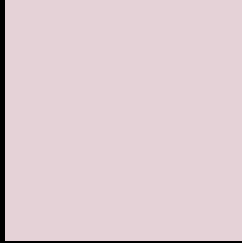
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.6575, 0.3235, 0.3236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

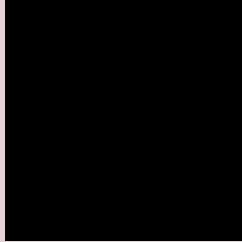
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

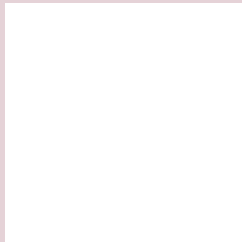
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.6575, 0.3235, 0.3236**

## Background



This preview shows how black text looks on a background with the Yxy color 67.6575, 0.3235, 0.3236.



This preview shows how white text looks on a background with the Yxy color 67.6575, 0.3235, 0.3236.

# 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

67.6575, 0.3235, 0.3236

### Protanopia

68.0083, 0.3136, 0.3257

### Deuteranopia

67.6802, 0.3282, 0.3216



## Tritanopia

67.3710, 0.3173, 0.3108

# Trichromacy



## Original Color

67.6575, 0.3235, 0.3236

## Protanomaly

68.0760, 0.3173, 0.3257

## Deuteranomaly

67.8309, 0.3266, 0.3226

## Tritanomaly

67.6444, 0.3200, 0.3161

# Monochromacy



## Original Color

67.6575, 0.3235, 0.3236

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.4232, 0.3165, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6575, 0.3235, 0.3236 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(229, 210, 215)` looks like.

```
.text, #text, p{  
    color:rgb(229, 210, 215)  
}
```

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(229, 210, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 210, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6575, 0.3235, 0.3236 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(229, 210, 215) }
```

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

```
.border{ border-color:rgb(229, 210, 215) }
```

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

Here you see how a box with a 4 pixel rgb(229, 210, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 210, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 210, 215);  
box-shadow:4px 4px 4px 4px rgb(229, 210,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6575, 0.3235, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 210, 215) }
```

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

```
.background{ background-color: rgb(229,  
210, 215) }
```

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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