

# Converting Colors

$Yxy(68.9655, 0.3303, 0.3291)$

Have a look what the booklet for  
Yxy(68.9655, 0.3303, 0.3291)  
contains.

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# Color

**Yxy(68.9538, 0.3308, 0.3291)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD3D3
RGB	235, 211, 211
RGB Percent	92%, 83%, 83%
CMY	0.0784, 0.1725, 0.1727
CMYK	0.00, 0.10, 0.10, 0.08
HSL	0°, 38%, 87%
HSV	0°, 10%, 92%
XYZ	69.3100, 68.9538, 71.2585
YIQ	218.1760, 14.3040, 5.0880

# Conversions

## Conversions Part 2

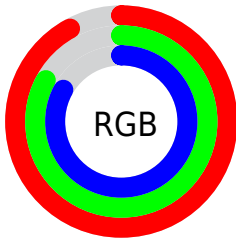
Format	Color
R <sub>Y</sub> B	235, 211, 211
Decimal	15455187
CIE Lab	86.48, 8.32, 3.05
CIE LCh	86, 8.857, 20.138
Yxy	68.9538, 0.3308, 0.3291
Android (android.graphics.Color)	4293645267 (0xFFEBD3D3)
YUV	218.1760, -3.5378, 14.7546
Hunter-Lab	83.0384, 3.6720, 7.2478

# Details

The Yxy color **68.9538, 0.3308, 0.3291** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.2346, 0.2970, 0.3289**, and the grayscale version is **70.2568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7950, 0.3347, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **57.0463, 0.3530, 0.3292**, and if you desaturate by 10%, it is **82.7401, 0.3131, 0.3290**.

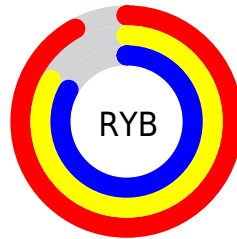
# Distribution



Red (92%)

Green (83%)

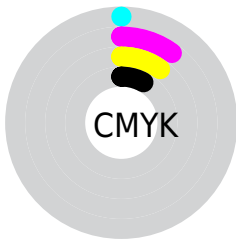
Blue (83%)



Red (92%)

Yellow (83%)

Blue (83%)

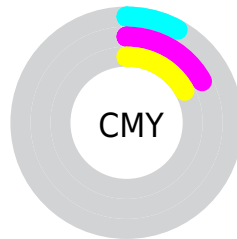


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (8%)



Cyan (8%)

Magenta (17%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9538, 0.3308, 0.3291 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 68.9538, 0.3308, 0.3291 by changing the saturation by 10% instead.



 68.9538, 0.3308,  
0.3291

 68.9538, 0.3308,  
0.3291

456.8680, 0.3223,  
0.3291

 50.6741, 0.3328,  
0.3291

117.7156, 0.3278,  
0.3291

 35.9493, 0.3352,  
0.3291

148.9664, 0.3267,  
0.3291

 24.3950, 0.3384,  
0.3290


185.3098, 0.3257,  
0.3291

 15.6269, 0.3425,  
0.3289

227.1301, 0.3248,  
0.3291

 9.2605, 0.3482,  
0.3288

274.8116, 0.3241,  
0.3291

 4.9115, 0.3567,  
0.3285

328.7389, 0.3234,

 2.1954, 0.3705,

0.3291

389.2962, 0.3228,  
0.3291

0.3278

0.7175, 0.4079,  
0.3305

0.0000, 0.0000,  
0.0000

68.9538, 0.3308,  
0.3291

68.9538, 0.3308,  
0.3291

57.0463, 0.3530,  
0.3292

82.7401, 0.3131,  
0.3290

46.9277, 0.3808,  
0.3294

96.4029, 0.3005,  
0.3290

38.5144, 0.4150,  
0.3295

31.7125, 0.4559,  
0.3297

■ 26.4192, 0.5024,  
0.3298

■ 22.5196, 0.5506,  
0.3300

■ 19.8826, 0.5938,  
0.3300

■ 18.3520, 0.6246,  
0.3301

■ 17.6727, 0.6400,  
0.3301

# Harmonies

## Analogous

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



68.9538, 0.3225, 0.3200



68.9538, 0.3308, 0.3291



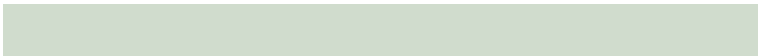
68.9538, 0.3342, 0.3384

# Triad

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



68.9538, 0.3308, 0.3291



68.9538, 0.3134, 0.3455



68.9538, 0.2941, 0.3126

# Complementary

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



68.9538, 0.3308, 0.3291



79.2346, 0.2970, 0.3289

# 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.



68.9538, 0.2918, 0.3191



68.9538, 0.3308, 0.3291



68.9538, 0.3028, 0.3383

# Square

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



68.9538, 0.3308, 0.3291



68.9538, 0.3240, 0.3481



68.9538, 0.2949, 0.3285



68.9538, 0.3013, 0.3105



# Rectangle

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



68.9538, 0.3308, 0.3291



68.9538, 0.3331, 0.3434



68.9538, 0.2949, 0.3285



68.9538, 0.2927, 0.3143

# Sweetspot

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



68.9568, 0.3308, 0.3291



94.7418, 0.3176, 0.3290



70.2311, 0.3139, 0.3039



19.9855, 0.3190, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

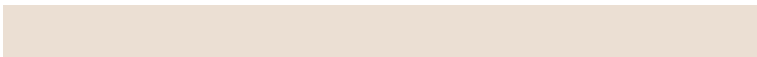
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9568, 0.3308, 0.3291



80.2218, 0.3345, 0.3291



75.1307, 0.3294, 0.3418



15.0587, 0.3293, 0.3291



9.8373, 0.6399, 0.3301



0.7741, 0.6395, 0.3304



# Inverse Universe

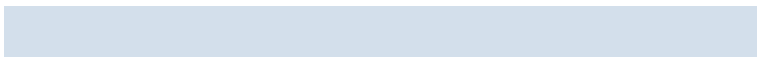
The Inverse Universe completely reimagines the original color for something new.



79.2346, 0.2970, 0.3289



94.6138, 0.2943, 0.3289



72.6082, 0.2968, 0.3159



17.1167, 0.2981, 0.3289



36.2652, 0.2245, 0.3282



2.8493, 0.2245, 0.3282



# Previews

## White Background



This preview shows how the Yxy color 68.9538, 0.3308, 0.3291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

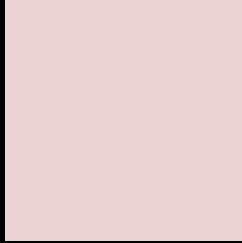
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9538, 0.3308, 0.3291 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

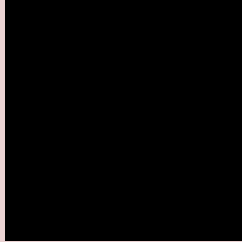
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.9538, 0.3308, 0.3291**

## Background



This preview shows how black text looks on a background with the Yxy color 68.9538, 0.3308, 0.3291.



This preview shows how white text looks on a background with the Yxy color 68.9538, 0.3308, 0.3291.

# 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

68.9538, 0.3308, 0.3291

### Protanopia

69.3389, 0.3177, 0.3312

### Deuteranopia

68.6548, 0.3341, 0.3269



## Tritanopia

69.0417, 0.3225, 0.3122

# Trichromacy



## Original Color

68.9538, 0.3308, 0.3291

## Protanomaly

69.0660, 0.3223, 0.3301

## Deuteranomaly

68.9735, 0.3332, 0.3280

## Tritanomaly

69.0934, 0.3252, 0.3184

# Monochromacy



## Original Color

68.9538, 0.3308, 0.3291

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.3545, 0.3193, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9538, 0.3308, 0.3291 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, 211, 211)` looks like.

```
.text, #text, p{  
    color:rgb(235, 211, 211)  
}
```

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, 211, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 211, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9538, 0.3308, 0.3291 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, 211, 211) }
```

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

```
.border{ border-color:rgb(235, 211, 211) }
```

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

Here you see how a box with a 4 pixel rgb(235, 211, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 211, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 211, 211);  
box-shadow:4px 4px 4px 4px rgb(235, 211,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9538, 0.3308, 0.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 211, 211) }
```

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

```
.background{ background-color: rgb(235,  
211, 211) }
```

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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