

# Converting Colors

Yxy(68.6259, 0.3145, 0.3109)

Have a look what the booklet for  
Yxy(68.6259, 0.3145, 0.3109)  
contains.

<b>Yxy(68.8480, 0.3143, 0.3109)</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(68.8480, 0.3143, 0.3109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D3E4
RGB	229, 211, 228
RGB Percent	90%, 83%, 89%
CMY	0.1021, 0.1725, 0.1060
CMYK	0.00, 0.08, 0.00, 0.10
HSL	303°, 26%, 86%
HSV	303°, 8%, 90%
XYZ	69.6009, 68.8480, 82.9985
YIQ	218.3200, 5.2710, 9.1030

# Conversions

## Conversions Part 2

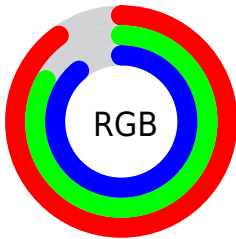
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 211, 228
Decimal	15061988
CIE Lab	86.43, 9.17, -6.10
CIE LCh	86, 11.012, 326.384
Yxy	68.8480, 0.3143, 0.3109
Android (android.graphics.Color)	4293252068 (0xFFE5D3E4)
YUV	218.3200, 4.7722, 9.3664
Hunter-Lab	82.9747, 4.5238, -1.2247

# Details

The Yxy color  $68.8480, 0.3143, 0.3109$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $74.6294, 0.3111, 0.3478$ , and the grayscale version is  $70.3058, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.7927, 0.3148, 0.3055$  is the 20% darker color. If you saturate the color by 10%, you get  $58.2010, 0.3165, 0.2872$ , and if you desaturate by 10%, it is  $81.1220, 0.3123, 0.3339$ .

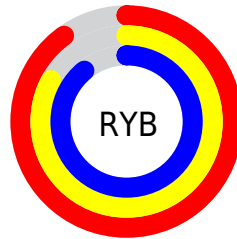
# Distribution



Red (90%)

Green (83%)

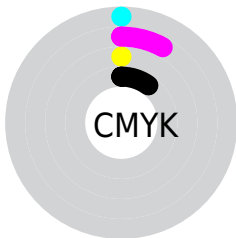
Blue (89%)



Red (90%)

Yellow (83%)

Blue (89%)

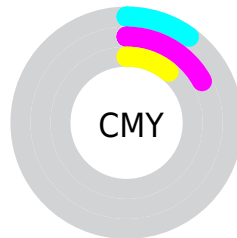


Cyan (0%)

Magenta (8%)

Yellow (0%)

Black (10%)



Cyan (10%)

Magenta (17%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8480, 0.3143, 0.3109 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 68.8480, 0.3143, 0.3109 by changing the saturation by 10% instead.




 68.8480, 0.3143,  
0.3109

 68.8480, 0.3143,  
0.3109


456.4947, 0.3136,  
0.3193

 50.5879, 0.3144,  
0.3090


117.5644, 0.3141,  
0.3138

 35.8808, 0.3146,  
0.3067


148.7896, 0.3140,  
0.3149

 24.3421, 0.3148,  
0.3037


185.1053, 0.3139,  
0.3159

 15.5876, 0.3151,  
0.2998

226.8958, 0.3138,  
0.3167

 9.2328, 0.3154,  
0.2945

274.5456, 0.3138,  
0.3175

 4.8933, 0.3158,  
0.2869

328.4391, 0.3137,

 2.1848, 0.3164,

0.3181

0.2751

388.9607, 0.3137,  
0.3187

0.7117, 0.3181,  
0.2511

0.0000, 0.0000,  
0.0000

68.8480, 0.3143,  
0.3109

68.8480, 0.3143,  
0.3109

58.2010, 0.3165,  
0.2872

81.1220, 0.3123,  
0.3339

49.1038, 0.3189,  
0.2634

93.9161, 0.3106,  
0.3539

41.4866, 0.3214,  
0.2402

93.9882, 0.3099,  
0.3526

35.2703, 0.3240,  
0.2187

94.0609, 0.3091,  
0.3513

■ 30.3690, 0.3265,  
0.1997

■ 94.1341, 0.3084,  
0.3499

■ 26.6868, 0.3290,  
0.1841

■ 94.2078, 0.3077,  
0.3486

■ 24.1152, 0.3313,  
0.1727

■ 94.2820, 0.3070,  
0.3473

■ 22.5264, 0.3334,  
0.1656

■ 94.3568, 0.3063,  
0.3460

■ 21.7444, 0.3352,  
0.1626

■ 94.4321, 0.3055,  
0.3447

# Harmonies

## Analogous

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



68.8480, 0.3010, 0.3064



68.8480, 0.3143, 0.3109



68.8480, 0.3274, 0.3200

# Triad

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



68.8480, 0.3143, 0.3109



68.8480, 0.3347, 0.3505



68.8480, 0.2893, 0.3257

# Complementary

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



68.8480, 0.3143, 0.3109



74.6294, 0.3111, 0.3478

# 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.



68.8480, 0.2980, 0.3381



68.8480, 0.3143, 0.3109



68.8480, 0.3242, 0.3527

# Square

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



68.8480, 0.3143, 0.3109



68.8480, 0.3394, 0.3427



68.8480, 0.3107, 0.3481



68.8480, 0.2868, 0.3146



# Rectangle

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



68.8480, 0.3143, 0.3109



68.8480, 0.3342, 0.3276



68.8480, 0.3107, 0.3481



68.8480, 0.2916, 0.3299

# Sweetspot

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



68.8510, 0.3143, 0.3109



96.7708, 0.3131, 0.3244



66.2377, 0.3013, 0.3091



20.7467, 0.3131, 0.3246



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.



68.8510, 0.3143, 0.3109



86.1393, 0.3146, 0.3081



68.3707, 0.3205, 0.3203



14.6006, 0.3146, 0.3071



12.3723, 0.3353, 0.1621



0.9185, 0.3330, 0.1608



# Inverse Universe

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



68.8510, 0.3143, 0.3109



86.1393, 0.3146, 0.3081



75.0898, 0.3056, 0.3379



14.6006, 0.3146, 0.3071



12.3723, 0.3353, 0.1621

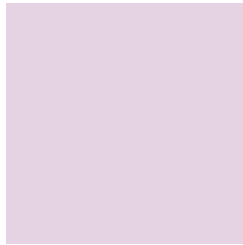


0.9185, 0.3330, 0.1608



# Previews

## White Background



This preview shows how the Yxy color 68.8480, 0.3143, 0.3109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

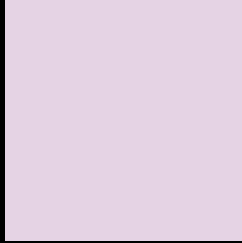
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.8480, 0.3143, 0.3109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

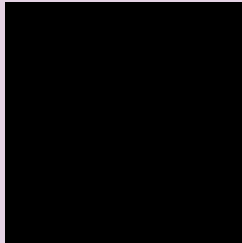
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

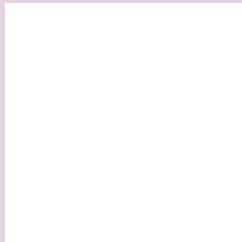
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.8480, 0.3143, 0.3109**

## Background



This preview shows how black text looks on a background with the Yxy color 68.8480, 0.3143, 0.3109.

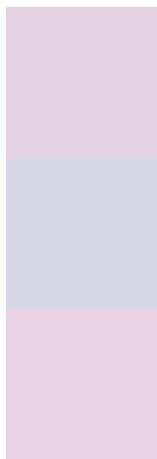


This preview shows how white text looks on a background with the Yxy color 68.8480, 0.3143, 0.3109.

# 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

68.8480, 0.3143, 0.3109

### Protanopia

68.9130, 0.3035, 0.3126

### Deuteranopia

68.8504, 0.3166, 0.3099



## Tritanopia

68.8480, 0.3143, 0.3109

# Trichromacy



## Original Color

68.8480, 0.3143, 0.3109

## Protanomaly

69.1224, 0.3077, 0.3127

## Deuteranomaly

68.6835, 0.3158, 0.3099

## Tritanomaly

68.8480, 0.3143, 0.3109

# Monochromacy



## Original Color

68.8480, 0.3143, 0.3109

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.4044, 0.3131, 0.3214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.8480, 0.3143, 0.3109 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, 211, 228)` looks like.

```
.text, #text, p{  
    color:rgb(229, 211, 228)  
}
```

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, 211, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 211, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8480, 0.3143, 0.3109 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, 211, 228) }
```

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

```
.border{ border-color:rgb(229, 211, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 211, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 211, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 211, 228);  
box-shadow:4px 4px 4px 4px rgb(229, 211,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8480, 0.3143, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 211, 228) }
```

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

```
.background{ background-color: rgb(229,  
211, 228) }
```

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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