

# Converting Colors

$Yxy(64.7175, 0.3197, 0.3098)$

Have a look what the booklet for  
Yxy(64.7175, 0.3197, 0.3098)  
contains.

<b>Yxy(64.5903, 0.3197, 0.3095)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.5903, 0.3197, 0.3095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5CBDD
RGB	229, 203, 221
RGB Percent	90%, 80%, 87%
CMY	0.1020, 0.2039, 0.1332
CMYK	0.00, 0.11, 0.03, 0.10
HSL	318°, 33%, 85%
HSV	318°, 11%, 90%
XYZ	66.7190, 64.5903, 77.3831
YIQ	212.8260, 9.7180, 11.1100

# Conversions

## Conversions Part 2

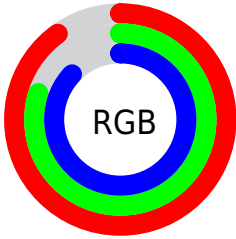
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 203, 221
Decimal	15059933
CIE Lab	84.27, 12.16, -5.60
CIE LCh	84, 13.385, 335.277
Yxy	64.5903, 0.3197, 0.3095
Android (android.graphics.Color)	4293250013 (0xFFE5CBDD)
YUV	212.8260, 4.0298, 14.1846
Hunter-Lab	80.3681, 7.5407, -0.8303

# Details

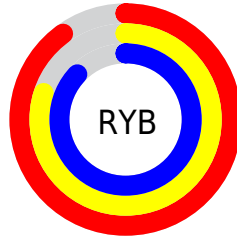
The Yxy color **64.5903, 0.3197, 0.3095** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.4257, 0.3064, 0.3493**, and the grayscale version is **66.3863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.1323, 0.3209, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **54.1988, 0.3270, 0.2916**, and if you desaturate by 10%, it is **76.6003, 0.3135, 0.3268**.

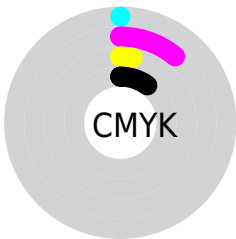
# Distribution



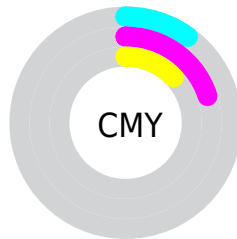
- Red (90%)
- Green (80%)
- Blue (87%)



- Red (90%)
- Yellow (80%)
- Blue (87%)



- Cyan (0%)
- Magenta (11%)
- Yellow (3%)
- Black (10%)




- Cyan (10%)
- Magenta (20%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5903, 0.3197, 0.3095 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 64.5903, 0.3197, 0.3095 by changing the saturation by 10% instead.




 64.5903, 0.3197,  
0.3095

 64.5903, 0.3197,  
0.3095


441.3182, 0.3165,  
0.3186

 47.1289, 0.3204,  
0.3074

111.4606, 0.3186,  
0.3127

 33.1376, 0.3214,  
0.3048


141.6384, 0.3181,  
0.3139

 22.2319, 0.3225,  
0.3015


176.8238, 0.3178,  
0.3149

 14.0274, 0.3240,  
0.2972

217.4011, 0.3174,  
0.3159

 8.1397, 0.3261,  
0.2913

263.7548, 0.3172,  
0.3167

 4.1845, 0.3291,  
0.2826

316.2693, 0.3169,

 1.7773, 0.3338,

0.3174

0.2688

375.3290, 0.3167,  
0.3180

0.4730, 0.3511,  
0.2225

0.0000, 0.0000,  
0.0000

64.5903, 0.3197,  
0.3095

64.5903, 0.3197,  
0.3095

54.1988, 0.3270,  
0.2916

76.6003, 0.3135,  
0.3268

45.3474, 0.3356,  
0.2734

90.2858, 0.3082,  
0.3430

37.9637, 0.3454,  
0.2556

94.5881, 0.3041,  
0.3420

31.9664, 0.3564,  
0.2390

95.0170, 0.3002,  
0.3349

■ 27.2660, 0.3684,  
0.2247

■ 95.3947, 0.2970,  
0.3290

■ 23.7628, 0.3812,  
0.2138

■ 21.3419, 0.3944,  
0.2073

■ 19.8663, 0.4074,  
0.2057

■ 19.1566, 0.4184,  
0.2078

# Harmonies

## Analogous

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



64.5903, 0.3027, 0.3020



64.5903, 0.3197, 0.3095



64.5903, 0.3351, 0.3219

# Triad

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



64.5903, 0.3197, 0.3095



64.5903, 0.3368, 0.3574



64.5903, 0.2820, 0.3203

# Complementary

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



64.5903, 0.3197, 0.3095



73.4257, 0.3064, 0.3493

# 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.



64.5903, 0.2906, 0.3359



64.5903, 0.3197, 0.3095



64.5903, 0.3221, 0.3577

# Square

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



64.5903, 0.3197, 0.3095



64.5903, 0.3451, 0.3493



64.5903, 0.3052, 0.3498



64.5903, 0.2813, 0.3078



# Rectangle

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



64.5903, 0.3197, 0.3095



64.5903, 0.3423, 0.3315



64.5903, 0.3052, 0.3498



64.5903, 0.2840, 0.3254

# Sweetspot

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



64.5931, 0.3197, 0.3095



95.0660, 0.3144, 0.3239



62.1913, 0.3005, 0.3000



20.0728, 0.3149, 0.3226



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.



64.5931, 0.3197, 0.3095



78.6165, 0.3216, 0.3046



63.9347, 0.3291, 0.3234



14.5362, 0.3184, 0.3128



10.9774, 0.4165, 0.2068



0.8276, 0.3992, 0.1973



# Inverse Universe

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



64.5931, 0.3197, 0.3095



78.6165, 0.3216, 0.3046



74.0953, 0.2985, 0.3347



14.5362, 0.3184, 0.3128



10.9774, 0.4165, 0.2068

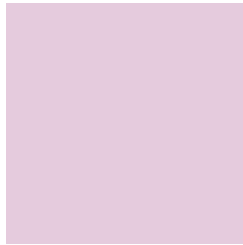


0.8276, 0.3992, 0.1973



# Previews

## White Background



This preview shows how the Yxy color 64.5903, 0.3197, 0.3095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

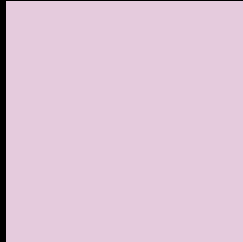
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5903, 0.3197, 0.3095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

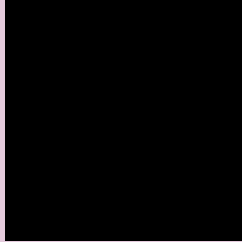
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.5903, 0.3197, 0.3095**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5903, 0.3197, 0.3095.



This preview shows how white text looks on a background with the Yxy color 64.5903, 0.3197, 0.3095.

# 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

64.5903, 0.3197, 0.3095

### Protanopia

64.7388, 0.3026, 0.3111

### Deuteranopia

64.5749, 0.3174, 0.3105



## Tritanopia

64.4844, 0.3212, 0.3117

# Trichromacy



## Original Color

64.5903, 0.3197, 0.3095

## Protanomaly

64.7592, 0.3084, 0.3102

## Deuteranomaly

64.7371, 0.3181, 0.3105

## Tritanomaly

64.5372, 0.3205, 0.3106

# Monochromacy



## Original Color

64.5903, 0.3197, 0.3095

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.6189, 0.3153, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5903, 0.3197, 0.3095 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, 203, 221)` looks like.

```
.text, #text, p{  
    color:rgb(229, 203, 221)  
}
```

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, 203, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 203, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5903, 0.3197, 0.3095 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, 203, 221) }
```

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

```
.border{ border-color:rgb(229, 203, 221) }
```

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

Here you see how a box with a 4 pixel rgb(229, 203, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 203, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 203, 221);  
box-shadow:4px 4px 4px 4px rgb(229, 203,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5903, 0.3197, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 203, 221) }
```

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

```
.background{ background-color: rgb(229,  
203, 221) }
```

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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