

# Converting Colors

$Yxy(65.1211, 0.3212, 0.3163)$

Have a look what the booklet for  
Yxy(65.1211, 0.3212, 0.3163)  
contains.

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# Color

**Yxy(65.0033, 0.3209, 0.3159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3CDD9
RGB	227, 205, 217
RGB Percent	89%, 80%, 85%
CMY	0.1099, 0.1960, 0.1489
CMYK	0.00, 0.10, 0.04, 0.11
HSL	327°, 28%, 85%
HSV	327°, 10%, 89%
XYZ	66.0322, 65.0033, 74.7363
YIQ	212.9460, 9.2600, 8.3960

# Conversions

## Conversions Part 2

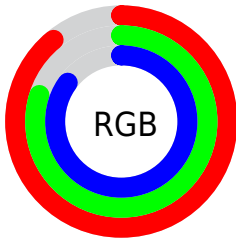
Format	Color
R <sub>Y</sub> B	227, 205, 217
Decimal	14929369
CIE Lab	84.49, 9.71, -3.17
CIE LCh	84, 10.214, 341.908
Yxy	65.0033, 0.3209, 0.3159
Android (android.graphics.Color)	4293119449 (0xFFE3CDD9)
YUV	212.9460, 1.9986, 12.3254
Hunter-Lab	80.6246, 5.0997, 1.4774

# Details

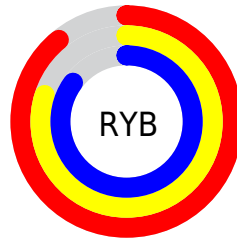
The Yxy color `65.0033, 0.3209, 0.3159` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `72.8096, 0.3053, 0.3425`, and the grayscale version is `66.4845, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `33.5125, 0.3236, 0.3134` is the 20% darker color. If you saturate the color by 10%, you get `54.4046, 0.3310, 0.3017`, and if you desaturate by 10%, it is `77.2162, 0.3125, 0.3294`.

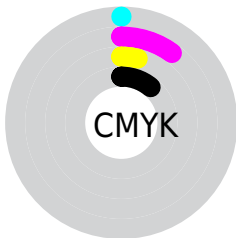
# Distribution



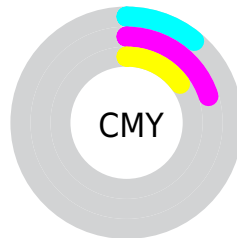
- Red (89%)
- Green (80%)
- Blue (85%)



- Red (89%)
- Yellow (80%)
- Blue (85%)



- Cyan (0%)
- Magenta (10%)
- Yellow (4%)
- Black (11%)




- Cyan (11%)
- Magenta (20%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0033, 0.3209, 0.3159 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 65.0033, 0.3209, 0.3159 by changing the saturation by 10% instead.




 65.0033, 0.3209,  
0.3159

 65.0033, 0.3209,  
0.3159

442.8038, 0.3171,  
0.3220

 47.4638, 0.3218,  
0.3145


112.0546, 0.3196,  
0.3180

 33.4024, 0.3229,  
0.3127


142.3351, 0.3190,  
0.3189

 22.4349, 0.3243,  
0.3105


177.6315, 0.3186,  
0.3196

 14.1768, 0.3262,  
0.3075

218.3280, 0.3182,  
0.3202

 8.2437, 0.3287,  
0.3034

264.8091, 0.3179,  
0.3207

 4.2513, 0.3325,  
0.2974

317.4592, 0.3176,

 1.8151, 0.3387,

0.3212

0.2878

376.6626, 0.3173,  
0.3217

0.4966, 0.3603,  
0.2523

0.0000, 0.0000,  
0.0000

65.0033, 0.3209,  
0.3159

65.0033, 0.3209,  
0.3159

54.4046, 0.3310,  
0.3017

77.2162, 0.3125,  
0.3294

45.3434, 0.3431,  
0.2871

91.0987, 0.3055,  
0.3421

37.7495, 0.3573,  
0.2726

94.6150, 0.2997,  
0.3361

31.5440, 0.3738,  
0.2589

95.0671, 0.2958,  
0.3290

■ 26.6403, 0.3925,  
0.2472

■ 22.9421, 0.4131,  
0.2385

■ 20.3397, 0.4347,  
0.2341

■ 18.7027, 0.4565,  
0.2349

■ 17.8134, 0.4777,  
0.2407

# Harmonies

## Analogous

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



65.0033, 0.3079, 0.3092



65.0033, 0.3209, 0.3159



65.0033, 0.3318, 0.3260

# Triad

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



65.0033, 0.3209, 0.3159



65.0033, 0.3289, 0.3512



65.0033, 0.2885, 0.3201

# Complementary

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



65.0033, 0.3209, 0.3159



72.8096, 0.3053, 0.3425

# 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.



65.0033, 0.2939, 0.3316



65.0033, 0.3209, 0.3159



65.0033, 0.3171, 0.3499

# Square

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



65.0033, 0.3209, 0.3159



65.0033, 0.3365, 0.3463



65.0033, 0.3043, 0.3427



65.0033, 0.2895, 0.3113



# Rectangle

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



65.0033, 0.3209, 0.3159



65.0033, 0.3364, 0.3335



65.0033, 0.3043, 0.3427



65.0033, 0.2896, 0.3238

# Sweetspot

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



65.0061, 0.3209, 0.3159



94.9948, 0.3151, 0.3250



63.6433, 0.3049, 0.3046



20.0536, 0.3158, 0.3239



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.



65.0061, 0.3209, 0.3159



81.1466, 0.3232, 0.3125



64.4560, 0.3289, 0.3278



14.4994, 0.3207, 0.3162



10.4010, 0.4754, 0.2392



0.7873, 0.4466, 0.2234



# Inverse Universe

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



65.0061, 0.3209, 0.3159



81.1466, 0.3232, 0.3125



73.3902, 0.2985, 0.3302



14.4994, 0.3207, 0.3162



10.4010, 0.4754, 0.2392



0.7873, 0.4466, 0.2234



# Previews

## White Background



This preview shows how the Yxy color 65.0033, 0.3209, 0.3159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

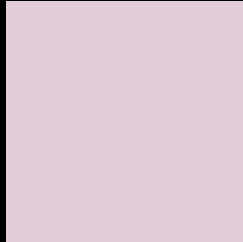
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0033, 0.3209, 0.3159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

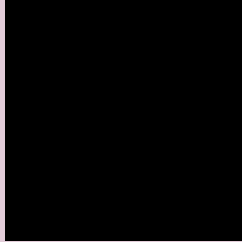
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.0033, 0.3209, 0.3159**

## Background



This preview shows how black text looks on a background with the Yxy color 65.0033, 0.3209, 0.3159.



This preview shows how white text looks on a background with the Yxy color 65.0033, 0.3209, 0.3159.

# 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

65.0033, 0.3209, 0.3159

### Protanopia

65.2575, 0.3074, 0.3178

### Deuteranopia

64.6895, 0.3218, 0.3149



## Tritanopia

64.6839, 0.3189, 0.3116

# Trichromacy



## Original Color

65.0033, 0.3209, 0.3159

## Protanomaly

64.9779, 0.3118, 0.3168

## Deuteranomaly

64.6895, 0.3218, 0.3149

## Tritanomaly

64.6311, 0.3196, 0.3127

# Monochromacy



## Original Color

65.0033, 0.3209, 0.3159

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.8537, 0.3159, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0033, 0.3209, 0.3159 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(227, 205, 217)` looks like.

```
.text, #text, p{  
    color:rgb(227, 205, 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(227, 205, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 205, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0033, 0.3209, 0.3159 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(227, 205, 217) }
```

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

```
.border{ border-color:rgb(227, 205, 217) }
```

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

Here you see how a box with a 4 pixel rgb(227, 205, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 205, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 205, 217);  
box-shadow:4px 4px 4px 4px rgb(227, 205,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0033, 0.3209, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 205, 217) }
```

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

```
.background{ background-color: rgb(227,  
205, 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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