

# Converting Colors

XYZ(64.5934, 59.0332, 80.6656)

Have a look what the booklet for  
XYZ(64.5934, 59.0332, 80.6656)  
contains.

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# Color

**XYZ(64.5917, 59.0310,  
80.6628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5BEE3
RGB	229, 190, 227
RGB Percent	90%, 75%, 89%
CMY	0.1020, 0.2549, 0.1098
CMYK	0.00, 0.17, 0.01, 0.10
HSL	303°, 43%, 82%
HSV	303°, 17%, 90%
XYZ	64.5917, 59.0310, 80.6628
YIQ	205.8790, 11.3670, 19.7750

# Conversions

## Conversions Part 2

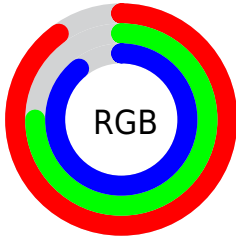
Format	Color
R <sub>Y</sub> B	229, 190, 227
Decimal	15056611
CIE Lab	81.31, 20.16, -13.19
CIE LCh	81, 24.092, 326.794
Yxy	59.0310, 0.3162, 0.2890
Android (android.graphics.Color)	4293246691 (0xFFE5BEE3)
YUV	205.8790, 10.4127, 20.2771
Hunter-Lab	76.8316, 15.6081, -8.4643

# Details

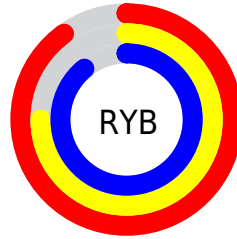
The XYZ color **64.5917, 59.0310, 80.6628** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **58.7713, 70.7933, 60.4393**, and the grayscale version is **58.5208, 61.5684, 67.0480**.

A 20% lighter version of the original color is **92.2458, 94.3915, 107.9653**, and **33.4841, 29.4711, 42.9534** is the 20% darker color. If you saturate the color by 10%, you get **59.8552, 49.8157, 78.2874**, and if you desaturate by 10%, it is **70.1121, 69.8104, 83.3063**.

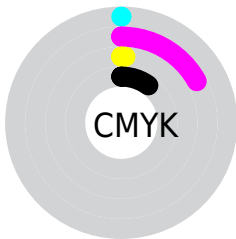
# Distribution



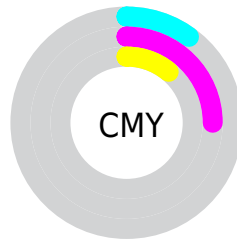
- Red (90%)
- Green (75%)
- Blue (89%)



- Red (90%)
- Yellow (75%)
- Blue (89%)



- Cyan (0%)
- Magenta (17%)
- Yellow (1%)
- Black (10%)



- Cyan (10%)
- Magenta (25%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5917, 59.0310, 80.6628 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 XYZ color 64.5917, 59.0310, 80.6628 by changing the saturation by 10% instead.





 64.5917, 59.0310,  
80.6628

 64.5917, 59.0310,  
80.6628


430.8917,  
421.0168, 516.9293

 47.3935, 42.6381,  
59.7346


 110.5316,  
103.4227, 136.1170

 33.5561, 29.6012,  
42.7808

140.0041,  
132.1903, 171.4800

 22.7141, 19.5361,  
29.3830


174.2987,  
165.8516, 212.4917

 14.5021, 12.0583,  
19.1227

213.7809,  
204.7909, 259.5706

 8.5547, 6.7834,  
11.5813

258.8159,  
249.3927, 313.1353

 4.5067, 3.3270,  
6.3402

309.7691,

 1.9926, 1.3047,

300.0413, 373.6043

2.9809

367.0060,  
357.1212, 441.3961

■ 0.6298, 0.1449,  
1.0849

■ 0.0000, 0.0000,  
0.0000

■ 64.5917, 59.0310,  
80.6628

■ 64.5917, 59.0310,  
80.6628

■ 59.8552, 49.8157,  
78.2874

■ 70.1121, 69.8104,  
83.3063

■ 55.8611, 42.0842,  
76.1643

■ 76.4449, 82.2140,  
86.2254

■ 52.5718, 35.7607,  
74.2815

■ 82.4304, 93.9210,  
89.0342

■ 49.9446, 30.7597,  
72.6248

■ 82.5965, 93.9874,  
89.9087

47.9322, 26.9864,  
71.1785

82.7636, 94.0543,  
90.7890

46.4808, 24.3334,  
69.9246

82.9319, 94.1216,  
91.6753

45.5274, 22.6747,  
68.8421

83.1013, 94.1894,  
92.5674

44.9905, 21.8472,  
67.9038

83.2719, 94.2576,  
93.4654

44.8711, 21.6813,  
67.6395

83.4435, 94.3262,  
94.3694

# Harmonies

## Analogous

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



60.5793, 59.0310, 92.2948



64.5917, 59.0310, 80.6628



66.3246, 59.0310, 65.8360

# Triad

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



64.5917, 59.0310, 80.6628



56.6497, 59.0310, 40.4030



47.9118, 59.0310, 77.5818

# Complementary

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



64.5917, 59.0310, 80.6628



58.7713, 70.7933, 60.4393

# 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.



46.9970, 59.0310, 62.7384



64.5917, 59.0310, 80.6628



51.8608, 59.0310, 42.5911

# Square

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



64.5917, 59.0310, 80.6628



61.5704, 59.0310, 43.7791



48.4002, 59.0310, 50.2718



50.9771, 59.0310, 90.3375



# Rectangle

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



64.5917, 59.0310, 80.6628



65.8815, 59.0310, 56.6019



48.4002, 59.0310, 50.2718



47.3509, 59.0310, 72.6113

# Sweetspot

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



64.5935, 59.0336, 80.6641



91.0115, 92.0911, 107.0352



54.2845, 53.6870, 81.6314



19.3633, 19.4825, 22.8554



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



64.5935, 59.0336, 80.6641



80.4645, 71.4984, 101.9744



62.0585, 58.0196, 67.3150



14.9615, 14.6018, 17.9977



25.6688, 12.4017, 38.7464



1.9067, 0.9204, 2.9152



# Inverse Universe

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



64.5935, 59.0336, 80.6641



80.4645, 71.4984, 101.9744



61.0710, 71.7132, 72.5496



14.9615, 14.6018, 17.9977



25.6688, 12.4017, 38.7464



1.9067, 0.9204, 2.9152



# Previews

## White Background



This preview shows how the XYZ color 64.5917, 59.0310, 80.6628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

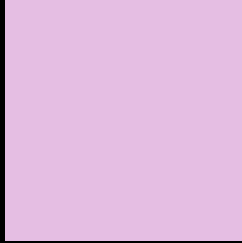
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5917, 59.0310, 80.6628 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](#).

**XYZ 64.5917, 59.0310, 80.6628**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.5917, 59.0310, 80.6628.



This preview shows how white text looks on a background with the XYZ color 64.5917, 59.0310,

80.6628.

# 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

64.5917, 59.0310, 80.6628

### Protanopia

58.5029, 59.4496, 86.2334

### Deuteranopia

60.5577, 59.2724, 80.2005



## Tritanopia

61.8192, 58.8627, 67.7779

# Trichromacy



## Original Color

64.5917, 59.0310, 80.6628

## Protanomaly

60.4025, 59.1119, 83.8275

## Deuteranomaly

61.9327, 58.9800, 80.0716

## Tritanomaly

62.7939, 58.9365, 72.3563

# Monochromacy



## Original Color

64.5917, 59.0310, 80.6628

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

60.5234, 60.4597, 72.0983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5917, 59.0310, 80.6628 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, 190, 227)` looks like.

```
.text, #text, p{  
    color:rgb(229, 190, 227)  
}
```

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, 190, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 190, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5917, 59.0310, 80.6628 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, 190, 227) }
```



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

```
.border{ border-color:rgb(229, 190, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 190, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 190, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 190, 227); box-shadow:4px 4px 4px 4px rgb(229, 190, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5917, 59.0310, 80.6628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 190, 227) }
```

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

```
.background{ background-color: rgb(229,  
190, 227) }
```

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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