

# Converting Colors

XYZ(67.3428, 62.5447, 77.6839)

Have a look what the booklet for  
XYZ(67.3428, 62.5447, 77.6839)  
contains.

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# Color

**XYZ(67.1857, 62.4159,  
77.6137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBC4DE
RGB	235, 196, 222
RGB Percent	92%, 77%, 87%
CMY	0.0784, 0.2314, 0.1294
CMYK	0.00, 0.17, 0.06, 0.08
HSL	320°, 49%, 85%
HSV	320°, 17%, 92%
XYZ	67.1857, 62.4159, 77.6137
YIQ	210.6250, 14.8980, 16.3540

# Conversions

## Conversions Part 2

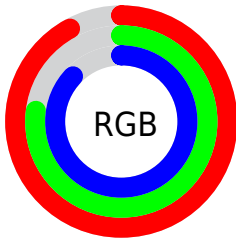
Format	Color
R <sub>Y</sub> B	235, 196, 222
Decimal	15451358
CIE Lab	83.13, 18.10, -7.74
CIE LCh	83, 19.682, 336.851
Yxy	62.4159, 0.3242, 0.3012
Android (android.graphics.Color)	4293641438 (0xFFEBC4DE)
YUV	210.6250, 5.6079, 21.3769
Hunter-Lab	79.0037, 13.5420, -2.9442

# Details

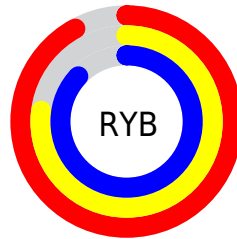
The XYZ color **67.1857, 62.4159, 77.6137** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.9843, 75.7576, 71.5754**, and the grayscale version is **61.6284, 64.8378, 70.6084**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **35.2385, 31.7197, 40.8245** is the 20% darker color. If you saturate the color by 10%, you get **61.2692, 52.2237, 70.5813**, and if you desaturate by 10%, it is **73.9848, 74.2935, 85.1825**.

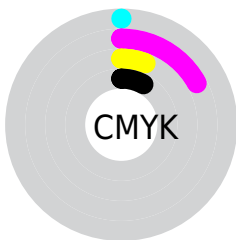
# Distribution



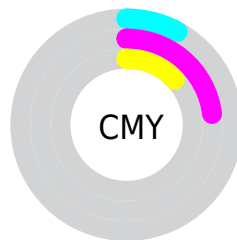
- Red (92%)
- Green (77%)
- Blue (87%)



- Red (92%)
- Yellow (77%)
- Blue (87%)



- Cyan (0%)
- Magenta (17%)
- Yellow (6%)
- Black (8%)



- Cyan (8%)
- Magenta (23%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1857, 62.4159, 77.6137 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 67.1857, 62.4159, 77.6137 by changing the saturation by 10% instead.



67.1857, 62.4159,  
77.6137

67.1857, 62.4159,  
77.6137

440.0276,  
433.4465, 506.3470

49.5068, 45.3688,  
57.2421

114.2348,  
108.3264, 131.7863

35.2379, 31.7480,  
40.7890

144.3357,  
137.9586, 166.4245

24.0135, 21.1691,  
27.8358

179.3080,  
172.5547, 206.6552

15.4685, 13.2477,  
17.9640

219.5170,  
212.4990, 252.8971

9.2373, 7.5993,  
10.7549

265.3281,  
258.1760, 305.5687

4.9546, 3.8397,  
5.7902

317.1067,

2.2551, 1.5843,

309.9699, 365.0885

2.6512

375.2181,  
368.2653, 431.8751

■ 0.7716, 0.3470,  
0.9187

■ 0.0000, 0.0000,  
0.0000

■ 67.1857, 62.4159,  
77.6137

■ 67.1857, 62.4159,  
77.6137

■ 61.2692, 52.2237,  
70.5813

■ 73.9848, 74.2935,  
85.1825

■ 56.1907, 43.6313,  
64.0650

■ 81.6978, 87.9206,  
93.2992

■ 51.9098, 36.5581,  
58.0487

■ 86.5799, 95.8058,  
100.7192

■ 48.3803, 30.9129,  
52.5138

■ 87.8049, 96.2958,  
107.1702

■ 45.5514, 26.5950,  
47.4398

■ 88.0714, 96.4024,  
108.5734

■ 43.3653, 23.4902,  
42.8040

■ 41.7547, 21.4649,  
38.5803

■ 40.6348, 20.3508,  
34.7367

■ 40.3182, 20.0851,  
33.4980

# Harmonies

## Analogous

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



64.3779, 62.4159, 88.5308



67.1857, 62.4159, 77.6137



67.8413, 62.4159, 65.1980

# Triad

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



67.1857, 62.4159, 77.6137



58.3519, 62.4159, 47.2142



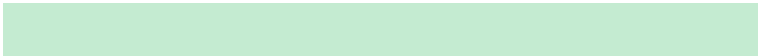
53.0036, 62.4159, 83.0352

# Complementary

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



67.1857, 62.4159, 77.6137



63.9843, 75.7576, 71.5754

# 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.



51.5520, 62.4159, 70.7996



67.1857, 62.4159, 77.6137



54.5426, 62.4159, 50.8519

# Square

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



67.1857, 62.4159, 77.6137



62.6057, 62.4159, 48.5784



52.1016, 62.4159, 59.1425



56.1598, 62.4159, 91.9135



# Rectangle

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



67.1857, 62.4159, 77.6137



66.9428, 62.4159, 57.8982



52.1016, 62.4159, 59.1425



52.3072, 62.4159, 79.1254

# Sweetspot

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



67.1875, 62.4186, 77.6150



90.4397, 91.8624, 104.0245



61.0323, 59.0364, 86.7767



19.2240, 19.4268, 22.1217



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.



67.1875, 62.4186, 77.6150



78.2652, 70.6187, 90.3933



64.7231, 61.4329, 64.6374



15.4889, 15.2234, 17.8601



22.5002, 11.2028, 18.9674



1.8111, 0.8974, 1.7228



# Inverse Universe

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



67.1875, 62.4186, 77.6150



78.2652, 70.6187, 90.3933



66.5485, 76.7833, 85.0779



15.4889, 15.2234, 17.8601



22.5002, 11.2028, 18.9674



1.8111, 0.8974, 1.7228



# Previews

## White Background



This preview shows how the XYZ color 67.1857, 62.4159, 77.6137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

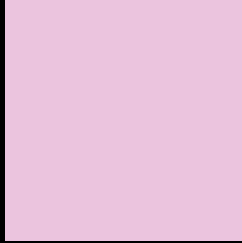
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.1857, 62.4159, 77.6137 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 67.1857, 62.4159, 77.6137**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.1857, 62.4159, 77.6137.



This preview shows how white text looks on a background with the XYZ color 67.1857, 62.4159,



# 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

67.1857, 62.4159, 77.6137

### Protanopia

61.2517, 62.7232, 82.2773

### Deuteranopia

63.7566, 62.3659, 77.0841



## Tritanopia

66.1360, 62.6847, 71.5644

# Trichromacy



## Original Color

67.1857, 62.4159, 77.6137

## Protanomaly

63.1669, 62.3310, 80.6533

## Deuteranomaly

64.8386, 62.2361, 77.0020

## Tritanomaly

66.2926, 62.3828, 73.5128

# Monochromacy



## Original Color

67.1857, 62.4159, 77.6137

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

63.8522, 64.2646, 73.3289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.1857, 62.4159, 77.6137 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, 196, 222)` looks like.

```
.text, #text, p{  
    color:rgb(235, 196, 222)  
}
```

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, 196, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 196, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 67.1857, 62.4159, 77.6137 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, 196, 222) }
```



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

```
.border{ border-color:rgb(235, 196, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 196, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 196, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 196, 222); box-shadow:4px 4px 4px 4px rgb(235, 196, 222) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.1857, 62.4159, 77.6137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 196, 222) }
```

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

```
.background{ background-color: rgb(235,  
196, 222) }
```

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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