

Converting Colors

XYZ(67.0083, 62.7290, 88.0679)

Have a look what the booklet for
XYZ(67.0083, 62.7290, 88.0679)
contains.

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Color

**XYZ(67.0130, 62.7752,
87.9417)**

Conversions

Conversions Part 1

Format	Color
Hex	E3C6EC
RGB	227, 198, 236
RGB Percent	89%, 78%, 93%
CMY	0.1098, 0.2235, 0.0745
CMYK	0.04, 0.16, 0.00, 0.07
HSL	286°, 50%, 85%
HSV	286°, 16%, 93%
XYZ	67.0130, 62.7752, 87.9417
YIQ	211.0030, 5.0860, 17.9660

Conversions

Conversions Part 2

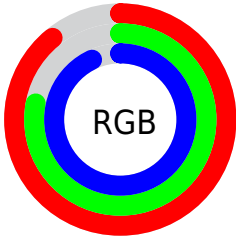
Format	Color
R _Y B	227, 198, 236
Decimal	14927596
CIE Lab	83.32, 16.90, -15.01
CIE LCh	83, 22.599, 318.390
Yxy	62.7752, 0.3078, 0.2883
Android (android.graphics.Color)	4293117676 (0xFFE3C6EC)
YUV	211.0030, 12.3235, 14.0294
Hunter-Lab	79.2308, 12.3205, -10.3470

Details

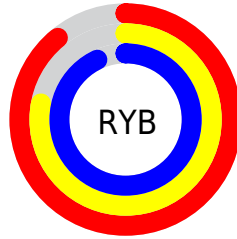
The XYZ color **67.0130, 62.7752, 87.9417** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.9228, 77.3351, 64.8818**, and the grayscale version is **61.8393, 65.0598, 70.8501**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.0061, 31.8997, 47.4923** is the 20% darker color. If you saturate the color by 10%, you get **60.2994, 51.9220, 86.2016**, and if you desaturate by 10%, it is **74.6281, 75.3442, 89.9674**.

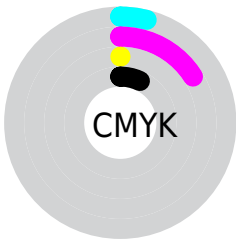
Distribution



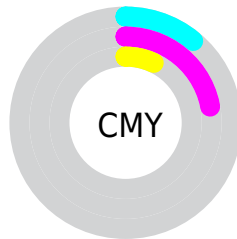
- Red (89%)
- Green (78%)
- Blue (93%)



- Red (89%)
- Yellow (78%)
- Blue (93%)



- Cyan (4%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.0130, 62.7752, 87.9417 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 67.0130, 62.7752, 87.9417 by changing the saturation by 10% instead.

67.0130, 62.7752,
87.9417

67.0130, 62.7752,
87.9417

439.4228,
434.7532, 541.7087

49.3659, 45.6594,
65.7107

113.9887,
108.8451, 146.3864

35.1256, 31.9771,
47.5826

144.0481,
138.5680, 183.4372

23.9266, 21.3440,
33.1388

178.9756,
173.2621, 226.2651

15.4036, 13.3757,
21.9608

219.1366,
213.3116, 275.2885

9.1913, 7.6878,
13.6301

264.8965,
259.1011, 330.9260

4.9243, 3.8958,
7.7280

316.6206,

2.2372, 1.6155,

311.0150, 393.5962

3.8362

374.6742,
369.4375, 463.7176

■ 0.7622, 0.3680,
1.5359

■ 0.0000, 0.0000,
0.2445

■ 67.0130, 62.7752,
87.9417

■ 67.0130, 62.7752,
87.9417

■ 60.2994, 51.9220,
86.2016

■ 74.6281, 75.3442,
89.9674

■ 54.4422, 42.6986,
84.7300

■ 83.1758, 89.6938,
92.2866

■ 49.4011, 35.0237,
83.5143

■ 88.1292, 96.7683,
93.3910

■ 45.1297, 28.8059,
82.5393

■ 90.0960, 97.7822,
93.4831

■ 41.5769, 23.9436,
81.7880

■ 92.1221, 98.8267,
93.5779

■ 38.6852, 20.3224,
81.2415

■ 92.1405, 98.8362,
93.5788

■ 36.3870, 17.8085,
80.8774

■ 34.5991, 16.2358,
80.6680

■ 33.9873, 15.7721,
80.6108

Harmonies

Analogous

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



62.6967, 62.7752, 97.3795



67.0130, 62.7752, 87.9417



69.4081, 62.7752, 73.9433

Triad

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



67.0130, 62.7752, 87.9417



61.5877, 62.7752, 45.1238



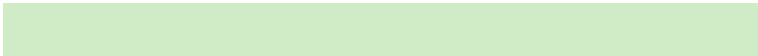
51.1415, 62.7752, 77.2489

Complementary

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



67.0130, 62.7752, 87.9417



65.9228, 77.3351, 64.8818

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.



50.8809, 62.7752, 63.0491



67.0130, 62.7752, 87.9417



56.7344, 62.7752, 45.7547

Square

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



67.0130, 62.7752, 87.9417



66.1629, 62.7752, 50.0498



52.8765, 62.7752, 51.9108



53.6089, 62.7752, 90.6459

Rectangle

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



67.0130, 62.7752, 87.9417



69.5101, 62.7752, 64.4787



52.8765, 62.7752, 51.9108



50.7981, 62.7752, 72.3764

Sweetspot

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



67.0149, 62.7779, 87.9431



90.0143, 91.5649, 107.5373



60.8657, 62.9330, 88.2971



19.1201, 19.3542, 22.9779



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.



67.0149, 62.7779, 87.9431



77.3975, 70.7761, 104.1896



68.5842, 63.7422, 81.0020



15.3459, 15.1236, 19.0326



18.8548, 8.7559, 44.4393



1.5645, 0.7308, 3.4935

Inverse Universe

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



66.0507, 62.7288, 67.6609



76.1022, 70.7312, 75.9885



64.6101, 76.5277, 70.7212



15.2117, 15.1125, 16.4000



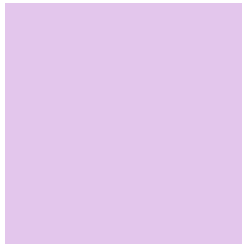
19.5017, 10.0034, 3.1771



1.5679, 0.8001, 0.4419

Previews

White Background



This preview shows how the XYZ color 67.0130, 62.7752, 87.9417 looks on a white background.

Color Contrast Check

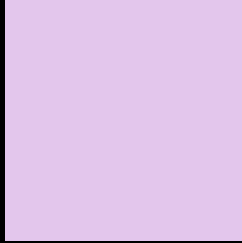
Large Text (above 18pt) WCAG AA × Fail

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 67.0130, 62.7752, 87.9417 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 67.0130, 62.7752, 87.9417

Background



This preview shows how black text looks on a background with the XYZ color 67.0130, 62.7752, 87.9417.



This preview shows how white text looks on a background with the XYZ color 67.0130, 62.7752,

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

67.0130, 62.7752, 87.9417

Protanopia

62.0359, 62.9110, 92.0925

Deuteranopia

64.1403, 62.6863, 87.3164



Tritanopia

64.1515, 62.6303, 74.3534

Trichromacy



Original Color

67.0130, 62.7752, 87.9417

Protanomaly

63.5143, 62.6455, 90.4056

Deuteranomaly

65.0955, 62.8315, 87.2941

Tritanomaly

65.1602, 62.6979, 79.1886

Monochromacy



Original Color

67.0130, 62.7752, 87.9417

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.6048, 64.0616, 76.7229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0130, 62.7752, 87.9417 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, 198, 236)` looks like.

```
.text, #text, p{  
    color:rgb(227, 198, 236)  
}
```

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, 198, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 198, 236) }
```

Border

The CSS property to change the border of an element to XYZ 67.0130, 62.7752, 87.9417 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, 198, 236) }
```


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

```
.border{ border-color:rgb(227, 198, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 198, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 198, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 198, 236);  
box-shadow:4px 4px 4px 4px rgb(227, 198,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0130, 62.7752, 87.9417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 198, 236) }
```

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

```
.background{ background-color: rgb(227,  
198, 236) }
```

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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