

Converting Colors

XYZ(62.9468, 50.1857, 87.1669)

Have a look what the booklet for
XYZ(62.9468, 50.1857, 87.1669)
contains.

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Color

**XYZ(62.7908, 50.0296,
87.2362)**

Conversions

Conversions Part 1

Format	Color
Hex	EBA3EE
RGB	235, 163, 238
RGB Percent	92%, 64%, 93%
CMY	0.0784, 0.3608, 0.0667
CMYK	0.01, 0.32, 0.00, 0.07
HSL	298°, 69%, 79%
HSV	298°, 32%, 93%
XYZ	62.7908, 50.0296, 87.2362
YIQ	193.0780, 18.8370, 38.5890

Conversions

Conversions Part 2

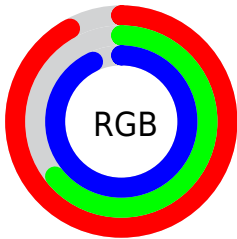
Format	Color
R _Y B	235, 163, 238
Decimal	15442926
CIE Lab	76.09, 38.54, -26.98
CIE LCh	76, 47.047, 325.001
Yxy	50.0296, 0.3139, 0.2501
Android (android.graphics.Color)	4293633006 (0xFFEBA3EE)
YUV	193.0780, 22.1465, 36.7656
Hunter-Lab	70.7316, 34.6801, -23.6127

Details

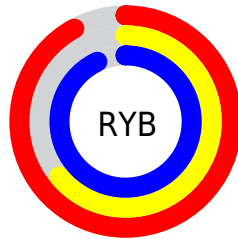
The XYZ color **62.7908, 50.0296, 87.2362** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.9130, 71.9016, 45.7424**, and the grayscale version is **50.6020, 53.2372, 57.9753**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **32.3795, 23.9942, 47.1807** is the 20% darker color. If you saturate the color by 10%, you get **58.6432, 42.1987, 85.9440**, and if you desaturate by 10%, it is **67.7385, 59.4561, 88.7957**.

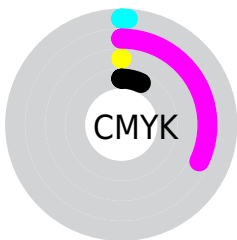
Distribution



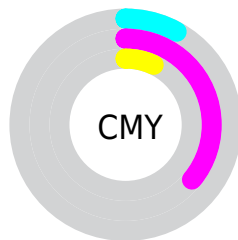
- Red (92%)
- Green (64%)
- Blue (93%)



- Red (92%)
- Yellow (64%)
- Blue (93%)



- Cyan (1%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)





- Cyan (8%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7908, 50.0296, 87.2362 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 62.7908, 50.0296, 87.2362 by changing the saturation by 10% instead.


 62.7908, 50.0296,
87.2362


 62.7908, 50.0296,
87.2362


424.4816,
386.7817, 539.3351

 45.9300, 35.4369,
65.1300


 107.9512, 90.2187,
145.3951

 32.3950, 23.9996,
47.1144


 136.9814,
116.5840, 182.2848

 21.8204, 15.3333,
32.7711


170.7989,
147.6422, 224.9394

 13.8408, 9.0537,
21.6815

209.7689,
183.7778, 273.7775

 8.0910, 4.7762,
13.4270

254.2568,
225.3751, 329.2176

 4.2055, 2.1166,
7.5891

304.6280,

 1.8191, 0.6739,

272.8186, 391.6781

3.7492

361.2478,
326.4927, 461.5778

■ 0.5291, 0.0000,
1.4888

■ 0.0000, 0.0000,
0.2095

■ 62.7908, 50.0296,
87.2362

■ 62.7908, 50.0296,
87.2362

■ 58.6432, 42.1987,
85.9440

■ 67.7385, 59.4561,
88.7957

■ 55.2461, 35.8673,
84.9010

■ 73.5226, 70.5540,
90.6329

■ 52.5520, 30.9394,
84.0918

■ 80.1831, 83.4023,
92.7618

■ 50.5059, 27.3051,
83.4981

■ 86.7249, 96.0106,
94.8507

■ 49.0447, 24.8380,
83.0990

■ 87.0468, 96.1765,
94.8658

■ 48.0925, 23.3866,
82.8690

■ 87.3704, 96.3433,
94.8809

■ 47.5811, 22.7462,
82.7723

■ 87.6956, 96.5110,
94.8961

■ 88.0226, 96.6796,
94.9114

■ 88.3513, 96.8490,
94.9268

Harmonies

Analogous

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



55.0617, 50.0296, 111.2022



62.7908, 50.0296, 87.2362



66.4630, 50.0296, 58.8032

Triad

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



62.7908, 50.0296, 87.2362



49.0403, 50.0296, 19.0722



33.8146, 50.0296, 77.6097

Complementary

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



62.7908, 50.0296, 87.2362



52.9130, 71.9016, 45.7424

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.



32.6181, 50.0296, 50.3621



62.7908, 50.0296, 87.2362



40.7575, 50.0296, 21.3174

Square

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



62.7908, 50.0296, 87.2362



57.9240, 50.0296, 23.6556



35.0021, 50.0296, 31.1522



38.4979, 50.0296, 104.5492

Rectangle

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



62.7908, 50.0296, 87.2362



65.8251, 50.0296, 42.8764



35.0021, 50.0296, 31.1522



33.0178, 50.0296, 67.9937

Sweetspot

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



62.7924, 50.0318, 87.2373



87.8238, 86.0477, 106.5878



44.3119, 41.5079, 86.5660



18.5650, 17.9693, 22.7399



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.



62.7924, 50.0318, 87.2373



70.1226, 52.2403, 100.9953



59.2878, 48.7453, 63.5699



16.3881, 15.9973, 19.9457



26.5726, 12.7041, 46.1795



2.2299, 1.0668, 3.8426

Inverse Universe

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



55.2417, 47.1269, 42.2633



60.0033, 48.3556, 40.3419



55.7299, 72.9566, 63.8200



15.7984, 15.7691, 16.4947



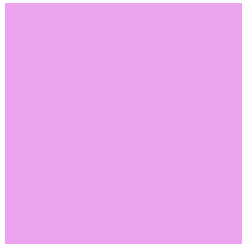
19.7117, 10.1571, 1.1324



1.6488, 0.8486, 0.1413

Previews

White Background



This preview shows how the XYZ color 62.7908, 50.0296, 87.2362 looks on a white background.

Color Contrast Check

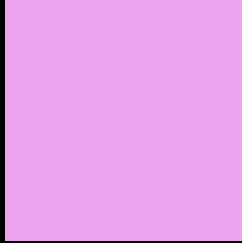
Large Text (above 18pt) WCAG AA × Fail

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 62.7908, 50.0296, 87.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

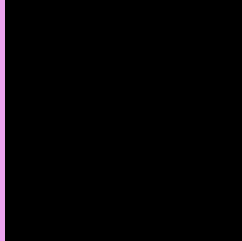
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.7908, 50.0296, 87.2362

Background



This preview shows how black text looks on a background with the XYZ color 62.7908, 50.0296, 87.2362.



This preview shows how white text looks on a background with the XYZ color 62.7908, 50.0296,

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

62.7908, 50.0296, 87.2362

Protanopia

51.7574, 50.6626, 101.6587

Deuteranopia

51.5202, 50.2888, 84.8332



Tritanopia

55.8014, 49.9263, 53.1501

Trichromacy



Original Color

62.7908, 50.0296, 87.2362



Protanomaly

54.7575, 49.8868, 96.3656



Deuteranomaly

54.8779, 49.6054, 85.2797



Tritanomaly

58.1624, 49.7726, 64.2992

Monochromacy



Original Color

62.7908, 50.0296, 87.2362



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

54.2490, 51.4692, 67.3969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7908, 50.0296, 87.2362 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, 163, 238)` looks like.

```
.text, #text, p{  
    color:rgb(235, 163, 238)  
}
```

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, 163, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 163, 238) }
```

Border

The CSS property to change the border of an element to XYZ 62.7908, 50.0296, 87.2362 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, 163, 238) }
```


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

```
.border{ border-color:rgb(235, 163, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 163, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 163, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 163, 238);  
box-shadow:4px 4px 4px 4px rgb(235, 163,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7908, 50.0296, 87.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 163, 238) }
```

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

```
.background{ background-color: rgb(235,  
163, 238) }
```

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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