

Converting Colors

XYZ(64.2987, 56.7671, 80.9587)

Have a look what the booklet for
XYZ(64.2987, 56.7671, 80.9587)
contains.

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Color

**XYZ(64.2158, 56.6242,
80.9438)**

Conversions

Conversions Part 1

Format	Color
Hex	E8B7E4
RGB	232, 183, 228
RGB Percent	91%, 72%, 89%
CMY	0.0902, 0.2823, 0.1059
CMYK	0.00, 0.21, 0.02, 0.09
HSL	305°, 52%, 81%
HSV	305°, 21%, 91%
XYZ	64.2158, 56.6242, 80.9438
YIQ	202.7810, 14.7590, 24.3830

Conversions

Conversions Part 2

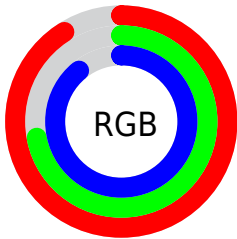
Format	Color
R _Y B	232, 183, 228
Decimal	15251428
CIE Lab	79.97, 25.08, -15.72
CIE LCh	80, 29.600, 327.931
Yxy	56.6242, 0.3182, 0.2806
Android (android.graphics.Color)	4293441508 (0xFFE8B7E4)
YUV	202.7810, 12.4330, 25.6251
Hunter-Lab	75.2491, 20.6419, -11.1027

Details

The XYZ color **64.2158, 56.6242, 80.9438** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **57.3570, 71.3701, 57.7696**, and the grayscale version is **56.5469, 59.4917, 64.7865**.

A 20% lighter version of the original color is **90.1565, 90.2130, 107.2688**, and **33.4300, 28.2125, 43.2188** is the 20% darker color. If you saturate the color by 10%, you get **59.5584, 47.7270, 78.1016**, and if you desaturate by 10%, it is **69.6682, 67.1049, 84.0665**.

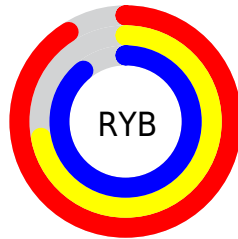
Distribution



Red (91%)

Green (72%)

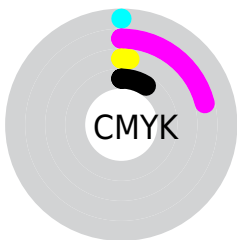
Blue (89%)



Red (91%)

Yellow (72%)

Blue (89%)

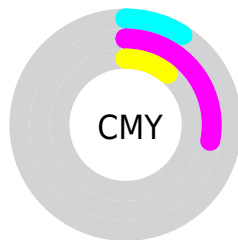


Cyan (0%)

Magenta (21%)

Yellow (2%)

Black (9%)



Cyan (9%)


Magenta (28%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2158, 56.6242, 80.9438 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 64.2158, 56.6242, 80.9438 by changing the saturation by 10% instead.


 64.2158, 56.6242,
80.9438

 64.2158, 56.6242,
80.9438


429.5584,
412.0396, 517.8982

 47.0878, 40.7036,
59.9646


 109.9937, 99.9166,
136.5152

 33.3133, 28.0876,
42.9650


139.3743,
128.0573, 171.9445

 22.5270, 18.3917,
29.5264


173.5698,
161.0400, 213.0275

 14.3634, 11.2316,
19.2304

212.9455,
199.2493, 260.1829

 8.4572, 6.2228,
11.6584

257.8669,
243.0695, 313.8291

 4.4431, 2.9810,
6.3918

308.6993,

 1.9558, 1.1218,

292.8851, 374.3847

3.0121

365.8080,
349.0803, 442.2682

■ 0.6089, 0.0000,
1.1008

■ 0.0000, 0.0000,
0.0000

■ 64.2158, 56.6242,
80.9438

■ 64.2158, 56.6242,
80.9438

■ 59.5584, 47.7270,
78.1016

■ 69.6682, 67.1049,
84.0665

■ 55.6522, 40.3286,
75.5233

■ 75.9465, 79.2336,
87.4781

■ 52.4571, 34.3479,
73.1962

■ 83.0860, 93.0802,
91.1911

■ 49.9272, 29.6928,
71.1049

■ 84.1183, 94.7077,
92.8827

48.0110, 26.2606,
69.2322

84.3944, 94.8181,
94.3367

46.6497, 23.9337,
67.5585

84.6734, 94.9297,
95.8060

45.7727, 22.5710,
66.0601

84.9554, 95.0425,
97.2908

45.2970, 21.9632,
64.8421

85.2403, 95.1565,
98.7911

85.5281, 95.2716,
100.3070

Harmonies

Analogous

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



59.4147, 56.6242, 95.7523



64.2158, 56.6242, 80.9438



66.2109, 56.6242, 62.8567

Triad

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



64.2158, 56.6242, 80.9438



54.2379, 56.6242, 34.1466



44.2436, 56.6242, 78.4878

Complementary

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



64.2158, 56.6242, 80.9438



57.3570, 71.3701, 57.7696

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.



43.0796, 56.6242, 60.4670



64.2158, 56.6242, 80.9438



48.5873, 56.6242, 36.7971

Square

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



64.2158, 56.6242, 80.9438



60.1899, 56.6242, 37.6506



44.6108, 56.6242, 45.7018



47.9154, 56.6242, 94.1588

Rectangle

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



64.2158, 56.6242, 80.9438



65.5773, 56.6242, 52.0181



44.6108, 56.6242, 45.7018



43.5586, 56.6242, 72.4122

Sweetspot

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



64.2175, 56.6267, 80.9450



90.1613, 90.5435, 106.2815



51.8160, 50.1686, 83.2976



19.1893, 19.1696, 22.6893



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.



64.2175, 56.6267, 80.9450



77.1486, 65.5200, 98.8545



61.1413, 55.3962, 64.7459



14.9417, 14.5939, 17.8933



25.1692, 12.2019, 36.1156



1.8750, 0.9077, 2.7484

Inverse Universe

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



64.2175, 56.6267, 80.9450



77.1486, 65.5200, 98.8545



60.1157, 72.4736, 72.2972



14.9417, 14.5939, 17.8933



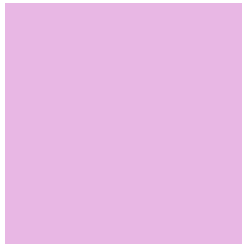
25.1692, 12.2019, 36.1156



1.8750, 0.9077, 2.7484

Previews

White Background



This preview shows how the XYZ color 64.2158, 56.6242, 80.9438 looks on a white background.

Color Contrast Check

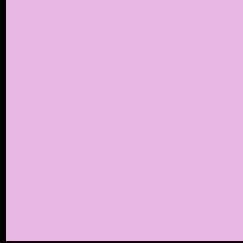
Large Text (above 18pt) WCAG AA × Fail

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 64.2158, 56.6242, 80.9438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

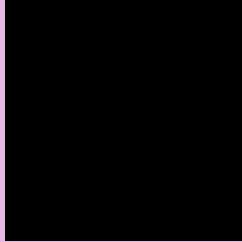
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2158, 56.6242, 80.9438

Background



This preview shows how black text looks on a background with the XYZ color 64.2158, 56.6242, 80.9438.



This preview shows how white text looks on a background with the XYZ color 64.2158, 56.6242,

80.9438.

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

64.2158, 56.6242, 80.9438

Protanopia

56.4875, 56.9941, 88.1445

Deuteranopia

57.9743, 56.6101, 79.8228



Tritanopia

60.6388, 56.7247, 63.6301

Trichromacy



Original Color

64.2158, 56.6242, 80.9438



Protanomaly

58.8778, 56.6189, 85.6673



Deuteranomaly

60.0871, 56.3883, 80.3901



Tritanomaly

61.6299, 56.4790, 69.2813

Monochromacy



Original Color

64.2158, 56.6242, 80.9438



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

59.3551, 58.5295, 70.4563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2158, 56.6242, 80.9438 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(232, 183, 228)` looks like.

```
.text, #text, p{  
    color:rgb(232, 183, 228)  
}
```

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(232, 183, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 183, 228) }
```

Border

The CSS property to change the border of an element to XYZ 64.2158, 56.6242, 80.9438 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(232, 183, 228) }
```


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

```
.border{ border-color:rgb(232, 183, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 183, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 183, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 183, 228);  
box-shadow:4px 4px 4px 4px rgb(232, 183,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2158, 56.6242, 80.9438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 183, 228) }
```

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

```
.background{ background-color: rgb(232,  
183, 228) }
```

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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