

Converting Colors

XYZ(68.0918, 63.7476, 82.7810)

Have a look what the booklet for
XYZ(68.0918, 63.7476, 82.7810)
contains.

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Color

**XYZ(68.1706, 63.8276,
82.8557)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E9C7E5 |
| RGB | 233, 199, 229 |
| RGB Percent | 91%, 78%, 90% |
| CMY | 0.0863, 0.2196, 0.1020 |
| CMYK | 0.00, 0.15, 0.02, 0.09 |
| HSL | 307°, 44%, 85% |
| HSV | 307°, 15%, 91% |
| XYZ | 68.1706, 63.8276, 82.8557 |
| YIQ | 212.5860, 10.6340, 16.5380 |

Conversions

Conversions Part 2

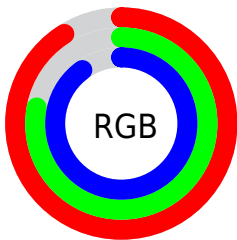
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 233, 199, 229 |
| Decimal | 15321061 |
| CIE Lab | 83.88, 17.07, -10.39 |
| CIE LCh | 84, 19.981, 328.658 |
| Yxy | 63.8276, 0.3173, 0.2971 |
| Android (android.graphics.Color) | 4293511141 (0xFFE9C7E5) |
| YUV | 212.5860, 8.0921, 17.9031 |
| Hunter-Lab | 79.8922, 12.4996, -5.5648 |

Details

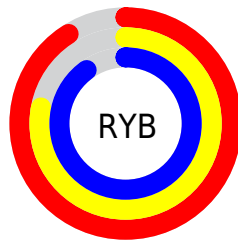
The XYZ color **68.1706, 63.8276, 82.8557** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.4741, 74.7337, 67.5830**, and the grayscale version is **62.9138, 66.1902, 72.0811**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8968, 32.6539, 44.4553** is the 20% darker color. If you saturate the color by 10%, you get **62.8355, 53.7643, 79.2041**, and if you desaturate by 10%, it is **74.3363, 75.5404, 86.8155**.

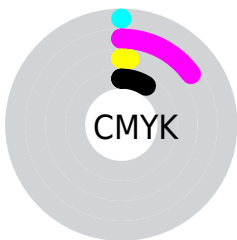
Distribution



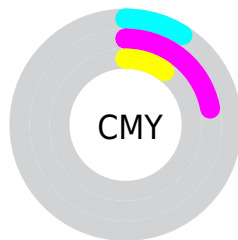
- Red (91%)
- Green (78%)
- Blue (90%)



- Red (91%)
- Yellow (78%)
- Blue (90%)



- Cyan (0%)
- Magenta (15%)
- Yellow (2%)
- Black (9%)



- Cyan (9%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1706, 63.8276, 82.8557 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 68.1706, 63.8276, 82.8557 by changing the saturation by 10% instead.

68.1706, 63.8276,
82.8557

68.1706, 63.8276,
82.8557

443.4675,
438.5668, 524.4639

50.3107, 46.5111,
61.5312

115.6367,
110.3626, 139.2208

35.8792, 32.6493,
44.2207

145.9737,
140.3499, 175.0984

24.5106, 21.8579,
30.5056

181.2004,
175.3295, 216.6642

15.8396, 13.7525,
19.9673

221.6822,
215.6859, 264.3366

9.5008, 7.9488,
12.1875

267.7845,
261.8034, 318.5343

5.1290, 4.0622,
6.7474

319.8725,

2.3587, 1.7084,

314.0665, 379.6757

3.2286

378.3117,
372.8595, 448.1794

■ 0.8244, 0.4291,
1.2125

■ 0.0000, 0.0000,
0.0000

■ 68.1706, 63.8276,
82.8557

■ 68.1706, 63.8276,
82.8557

■ 62.8355, 53.7643,
79.2041

■ 74.3363, 75.5404,
86.8155

■ 58.2881, 45.2677,
75.8440

■ 81.3618, 88.9642,
91.0912

■ 54.4902, 38.2606,
72.7632

■ 84.6840, 94.9716,
94.1625

■ 51.3981, 32.6555,
69.9472

■ 85.0883, 95.1333,
96.2914

48.9636, 28.3562,
67.3797

85.4987, 95.2975,
98.4527

47.1326, 25.2542,
65.0425

85.9154, 95.4641,
100.6466

45.8418, 23.2235,
62.9143

86.3382, 95.6333,
102.8732

45.0144, 22.1100,
60.9695

86.7673, 95.8049,
105.1326

44.6949, 21.7600,
59.9722

87.2026, 95.9790,
107.4250

Harmonies

Analogous

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



64.8082, 63.8276, 92.9610



68.1706, 63.8276, 82.8557



69.5091, 63.8276, 70.0656

Triad

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



68.1706, 63.8276, 82.8557



60.8643, 63.8276, 48.0089



53.5516, 63.8276, 81.7571

Complementary

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



68.1706, 63.8276, 82.8557



63.4741, 74.7337, 67.5830

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.



52.6071, 63.8276, 68.9323



68.1706, 63.8276, 82.8557



56.7046, 63.8276, 50.3568

Square

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



68.1706, 63.8276, 82.8557



65.1670, 63.8276, 50.8153



53.7338, 63.8276, 57.6581



56.3776, 63.8276, 92.2748

Rectangle

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



68.1706, 63.8276, 82.8557



69.0266, 63.8276, 62.0416



53.7338, 63.8276, 57.6581



53.0097, 63.8276, 77.5278

Sweetspot

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



68.1725, 63.8304, 82.8571



91.6893, 93.5868, 106.8294



59.7537, 59.4250, 85.4129



19.4941, 19.7815, 22.7840



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.



68.1725, 63.8304, 82.8571



81.2575, 73.7870, 100.0726



65.9178, 62.9285, 70.9841



15.6340, 15.2815, 18.6241



25.3907, 12.3590, 34.1883



2.0154, 0.9791, 2.7985

Inverse Universe

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



68.1725, 63.8304, 82.8571



81.2575, 73.7870, 100.0726



65.6082, 75.5873, 78.8210



15.6340, 15.2815, 18.6241



25.3907, 12.3590, 34.1883



2.0154, 0.9791, 2.7985

Previews

White Background



This preview shows how the XYZ color 68.1706, 63.8276, 82.8557 looks on a white background.

Color Contrast Check

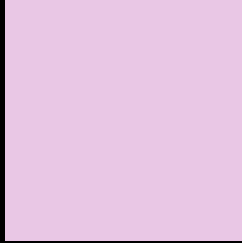
Large Text (above 18pt) WCAG AA × Fail

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 68.1706, 63.8276, 82.8557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

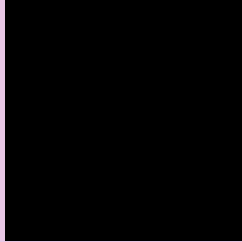
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1706, 63.8276, 82.8557

Background



This preview shows how black text looks on a background with the XYZ color 68.1706, 63.8276, 82.8557.



This preview shows how white text looks on a background with the XYZ color 68.1706, 63.8276,

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

68.1706, 63.8276, 82.8557

Protanopia

63.0049, 64.2317, 87.6745

Deuteranopia

65.1783, 63.6855, 82.2560



Tritanopia

66.3660, 63.7720, 74.4570

Trichromacy



Original Color

68.1706, 63.8276, 82.8557

Protanomaly

64.8582, 64.1448, 86.0536

Deuteranomaly

66.1755, 63.8500, 82.2353

Tritanomaly

66.9841, 63.6848, 77.1686

Monochromacy



Original Color

68.1706, 63.8276, 82.8557

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.8573, 65.4419, 76.2310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1706, 63.8276, 82.8557 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(233, 199, 229)` looks like.

```
.text, #text, p{  
    color:rgb(233, 199, 229)  
}
```

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(233, 199, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 199, 229) }
```

Border

The CSS property to change the border of an element to XYZ 68.1706, 63.8276, 82.8557 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(233, 199, 229) }
```


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

```
.border{ border-color:rgb(233, 199, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 199, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 199, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 199, 229); box-shadow:4px 4px 4px 4px rgb(233, 199, 229) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1706, 63.8276, 82.8557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 199, 229) }
```

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

```
.background{ background-color: rgb(233,  
199, 229) }
```

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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