

Converting Colors

XYZ(68.4527, 64.2892, 87.5953)

Have a look what the booklet for
XYZ(68.4527, 64.2892, 87.5953)
contains.

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Color

**XYZ(68.2828, 64.1297,
87.3766)**

Conversions

Conversions Part 1

Format	Color
Hex	E6C8EB
RGB	230, 200, 235
RGB Percent	90%, 78%, 92%
CMY	0.0980, 0.2157, 0.0784
CMYK	0.02, 0.15, 0.00, 0.08
HSL	291°, 47%, 85%
HSV	291°, 15%, 92%
XYZ	68.2828, 64.1297, 87.3766
YIQ	212.9600, 6.6450, 17.2450

Conversions

Conversions Part 2

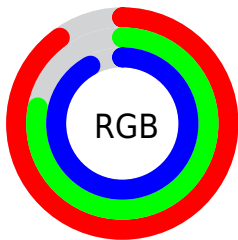
Format	Color
R _Y B	230, 200, 235
Decimal	15124715
CIE Lab	84.03, 16.63, -13.38
CIE LCh	84, 21.349, 321.177
Yxy	64.1297, 0.3107, 0.2918
Android (android.graphics.Color)	4293314795 (0xFFE6C8EB)
YUV	212.9600, 10.8657, 14.9441
Hunter-Lab	80.0810, 12.0601, -8.6348

Details

The XYZ color **68.2828, 64.1297, 87.3766** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **65.3128, 76.5675, 65.9834**, and the grayscale version is **63.1473, 66.4359, 72.3487**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8711, 32.8111, 47.0904** is the 20% darker color. If you saturate the color by 10%, you get **62.1866, 53.5205, 85.6511**, and if you desaturate by 10%, it is **75.2400, 76.4281, 89.3847**.

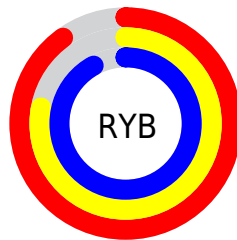
Distribution



Red (90%)

Green (78%)

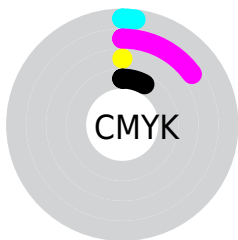
Blue (92%)



Red (90%)

Yellow (78%)

Blue (92%)

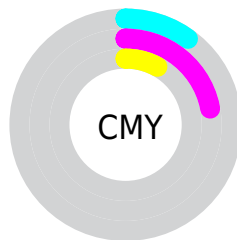


Cyan (2%)

Magenta (15%)

Yellow (0%)

Black (8%)



Cyan (10%)

Magenta (22%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2828, 64.1297, 87.3766 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 68.2828, 64.1297, 87.3766 by changing the saturation by 10% instead.

68.2828, 64.1297,
87.3766

68.2828, 64.1297,
87.3766

443.8584,
439.6579, 539.8079

50.4024, 46.7557,
65.2455

115.7963,
110.7977, 145.5924

35.9523, 32.8426,
47.2076

146.1601,
140.8605, 182.5143

24.5673, 22.0059,
32.8443

181.4157,
175.9218, 225.2034

15.8820, 13.8612,
21.7370

221.9284,
216.3658, 274.0784

9.5310, 8.0242,
13.4673

268.0637,
262.5770, 329.5578

5.1490, 4.1104,
7.6166

320.1869,

2.3706, 1.7355,

314.9399, 392.0602

3.7664

378.6633,
373.8387, 462.0040

■ 0.8304, 0.4465,
1.4981

■ 0.0000, 0.0000,
0.2165

■ 68.2828, 64.1297,
87.3766

■ 68.2828, 64.1297,
87.3766

■ 62.1866, 53.5205,
85.6511

■ 75.2400, 76.4281,
89.3847

■ 56.9076, 44.5160,
84.1913

■ 83.0883, 90.4788,
91.6831

■ 52.4065, 37.0368,
82.9849

■ 86.7157, 96.0563,
92.5685

■ 48.6385, 30.9936,
82.0170

■ 87.8665, 96.6496,
92.6224

45.5542, 26.2876,
81.2712

89.0386, 97.2538,
92.6772

43.0978, 22.8075,
80.7290

90.2319, 97.8690,
92.7331

41.2045, 20.4238,
80.3687

91.4467, 98.4953,
92.7899

39.7949, 18.9780,
80.1639

91.9956, 98.7782,
92.8156

39.1984, 18.4753,
80.0983

Harmonies

Analogous

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



64.2829, 64.1297, 96.9036



68.2828, 64.1297, 87.3766



70.3451, 64.1297, 73.8797

Triad

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



68.2828, 64.1297, 87.3766



62.3527, 64.1297, 47.2095



52.8945, 64.1297, 79.6186

Complementary

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



68.2828, 64.1297, 87.3766



65.3128, 76.5675, 65.9834

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.



52.4371, 64.1297, 65.9240



68.2828, 64.1297, 87.3766



57.7408, 64.1297, 48.3308

Square

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



68.2828, 64.1297, 87.3766



66.8075, 64.1297, 51.5102



54.1681, 64.1297, 54.7991



55.4516, 64.1297, 92.0388

Rectangle

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



68.2828, 64.1297, 87.3766



70.2741, 64.1297, 64.9198



54.1681, 64.1297, 54.7991



52.4955, 64.1297, 74.9741

Sweetspot

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



68.2847, 64.1325, 87.3780



91.3479, 93.3885, 107.8190



60.7087, 62.0629, 87.3778



19.4074, 19.7311, 23.0355



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.



68.2847, 64.1325, 87.3780



79.7436, 72.9075, 104.4774



68.2028, 64.2877, 78.4514



15.4910, 15.1984, 19.0394



21.8988, 10.3251, 44.5817



1.7775, 0.8407, 3.5034

Inverse Universe

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



65.9369, 63.3813, 66.5192



76.4154, 71.8502, 74.5746



65.4452, 76.4637, 73.7650



15.1531, 15.0891, 16.0916



19.2527, 9.9038, 1.8663



1.5392, 0.7886, 0.2908

Previews

White Background



This preview shows how the XYZ color 68.2828, 64.1297, 87.3766 looks on a white background.

Color Contrast Check

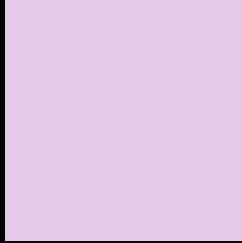
Large Text (above 18pt) WCAG AA × Fail

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 68.2828, 64.1297, 87.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

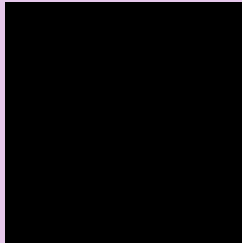
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2828, 64.1297, 87.3766

Background



This preview shows how black text looks on a background with the XYZ color 68.2828, 64.1297, 87.3766.



This preview shows how white text looks on a background with the XYZ color 68.2828, 64.1297,

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

68.2828, 64.1297, 87.3766

Protanopia

63.1859, 64.2404, 91.5075

Deuteranopia

65.6576, 64.1863, 86.7706



Tritanopia

66.1370, 64.3203, 75.9471

Trichromacy



Original Color

68.2828, 64.1297, 87.3766

Protanomaly

64.7045, 63.9818, 89.8284

Deuteranomaly

66.6386, 64.3404, 86.7486

Tritanomaly

67.0242, 64.3353, 80.1196

Monochromacy



Original Color

68.2828, 64.1297, 87.3766

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.8204, 65.3923, 77.6122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2828, 64.1297, 87.3766 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(230, 200, 235)` looks like.

```
.text, #text, p{  
    color:rgb(230, 200, 235)  
}
```

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(230, 200, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 200, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.2828, 64.1297, 87.3766 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(230, 200, 235) }
```


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

```
.border{ border-color:rgb(230, 200, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 200, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 200, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 200, 235);  
box-shadow:4px 4px 4px 4px rgb(230, 200,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2828, 64.1297, 87.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 200, 235) }
```

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

```
.background{ background-color: rgb(230,  
200, 235) }
```

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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