

Converting Colors

XYZ(68.7757, 69.4167, 88.6676)

Have a look what the booklet for
XYZ(68.7757, 69.4167, 88.6676)
contains.

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Color

**XYZ(68.8608, 69.4634,
88.3757)**

Conversions

Conversions Part 1

Format	Color
Hex	DDD6EB
RGB	221, 214, 235
RGB Percent	87%, 84%, 92%
CMY	0.1333, 0.1608, 0.0784
CMYK	0.06, 0.09, 0.00, 0.08
HSL	260°, 34%, 88%
HSV	260°, 9%, 92%
XYZ	68.8608, 69.4634, 88.3757
YIQ	218.4870, -2.5690, 8.0150

Conversions

Conversions Part 2

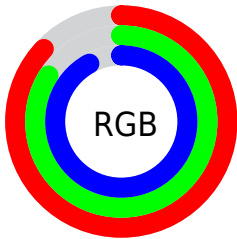
Format	Color
R _Y B	221, 214, 235
Decimal	14538475
CIE Lab	86.73, 6.26, -9.44
CIE LCh	87, 11.321, 303.546
Yxy	69.4634, 0.3038, 0.3064
Android (android.graphics.Color)	4292728555 (0xFFDDD6EB)
YUV	218.4870, 8.1409, 2.2039
Hunter-Lab	83.3447, 1.6265, -4.5277

Details

The XYZ color **68.8608, 69.4634, 88.3757** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.8432, 80.7674, 75.3194**, and the grayscale version is **66.9252, 70.4106, 76.6771**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2607, 36.1579, 47.7159** is the 20% darker color. If you saturate the color by 10%, you get **58.7875, 56.0708, 86.3227**, and if you desaturate by 10%, it is **80.2414, 84.8074, 90.7386**.

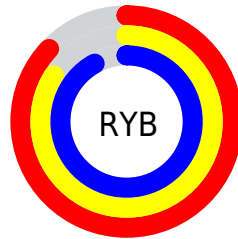
Distribution



Red (87%)

Green (84%)

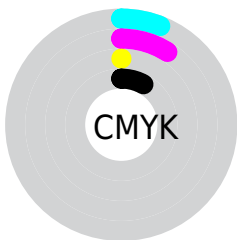
Blue (92%)



Red (87%)

Yellow (84%)

Blue (92%)

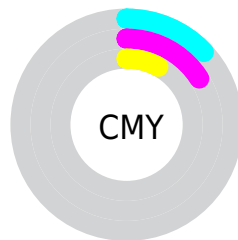


Cyan (6%)

Magenta (9%)

Yellow (0%)

Black (8%)



Cyan (13%)

Magenta (16%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8608, 69.4634, 88.3757 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 68.8608, 69.4634, 88.3757 by changing the saturation by 10% instead.

68.8608, 69.4634,
88.3757

68.8608, 69.4634,
88.3757

445.8689,
458.6637, 543.1659

50.8746, 51.0892,
66.0682

116.6179,
118.4432, 146.9958

36.3294, 36.2796,
47.8709

147.1195,
149.8176, 184.1455

24.8600, 24.6502,
33.3654

182.5236,
186.2942, 227.0796

16.1010, 15.8166,
22.1331

223.1955,
228.2573, 276.2167

9.6869, 9.3945,
13.7555

269.5007,
276.0915, 331.9754

5.2526, 4.9994,
7.8140

321.8044,

2.4325, 2.2469,

330.1810, 394.7741

3.8901

380.4720,
390.9102, 465.0314

■ 0.8613, 0.7454,
1.5652

■ 0.0000, 0.0000,
0.2658

■ 68.8608, 69.4634,
88.3757

■ 68.8608, 69.4634,
88.3757

■ 58.7875, 56.0708,
86.3227

■ 80.2414, 84.8074,
90.7386

■ 49.9667, 44.5414,
84.5622

■ 91.0235, 98.2771,
92.7703

■ 42.3487, 34.7932,
83.0821

■ 91.9956, 98.7782,
92.8158

■ 35.8777, 26.7346,
81.8677

■ 30.4933, 20.2655,
80.9028

■ 26.1293, 15.2751,
80.1696

■ 22.7112, 11.6377,
79.6476

■ 20.1525, 9.2052,
79.3130

■ 18.3297, 7.7574,
79.1296

Harmonies

Analogous

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



66.3365, 69.4634, 91.0510



68.8608, 69.4634, 88.3757



70.6609, 69.4634, 82.2799

Triad

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



68.8608, 69.4634, 88.3757



68.3044, 69.4634, 63.3791



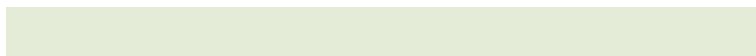
61.0968, 69.4634, 76.5343

Complementary

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



68.8608, 69.4634, 88.3757



73.8432, 80.7674, 75.3194

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.



61.5924, 69.4634, 69.3556



68.8608, 69.4634, 88.3757



65.7102, 69.4634, 62.0633

Square

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



68.8608, 69.4634, 88.3757



70.3337, 69.4634, 67.8997



63.2640, 69.4634, 64.1796



61.8919, 69.4634, 83.9341

Rectangle

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



68.8608, 69.4634, 88.3757



71.1834, 69.4634, 77.2757



63.2640, 69.4634, 64.1796



61.1180, 69.4634, 74.0154

Sweetspot

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



68.8628, 69.4664, 88.3772



90.8062, 94.2612, 108.0160



70.5691, 75.9761, 89.5438



19.1988, 19.8554, 23.0705



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.



68.8628, 69.4664, 88.3772



80.1964, 80.0147, 105.8253



72.0475, 71.1081, 88.5263



14.7042, 14.7928, 19.0025



10.2294, 4.3094, 44.0356



0.9019, 0.3892, 3.4625

Inverse Universe

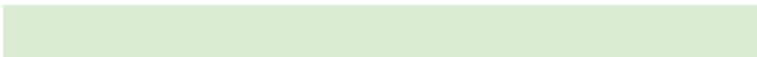
The Inverse Universe completely reimagines the original color for something new.



72.3134, 71.3597, 83.3644



85.2766, 82.8033, 98.3973



70.7169, 79.1557, 75.1730



15.4890, 15.2235, 17.8605



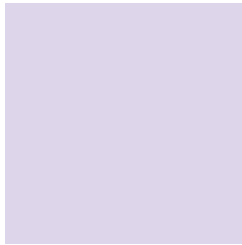
22.5015, 11.2033, 18.9740



1.8112, 0.8975, 1.7232

Previews

White Background



This preview shows how the XYZ color 68.8608, 69.4634, 88.3757 looks on a white background.

Color Contrast Check

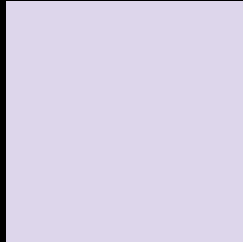
Large Text (above 18pt) WCAG AA × Fail

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 68.8608, 69.4634, 88.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

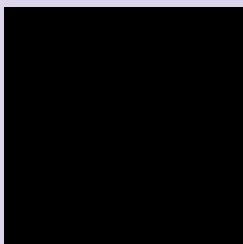
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8608, 69.4634, 88.3757

Background



This preview shows how black text looks on a background with the XYZ color 68.8608, 69.4634, 88.3757.

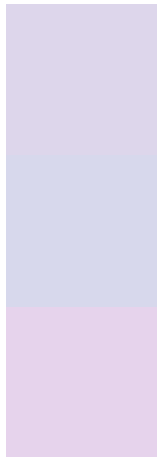


This preview shows how white text looks on a background with the XYZ color 68.8608, 69.4634,

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

68.8608, 69.4634, 88.3757

Protanopia

67.7205, 69.6149, 89.2247

Deuteranopia

71.0677, 69.4677, 89.0198



Tritanopia

68.3811, 69.6427, 86.1822

Trichromacy



Original Color

68.8608, 69.4634, 88.3757

Protanomaly

68.0560, 69.4087, 89.1672

Deuteranomaly

70.3624, 69.4740, 89.0582

Tritanomaly

68.5236, 69.6997, 86.9326

Monochromacy



Original Color

68.8608, 69.4634, 88.3757

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.4808, 70.0676, 80.4888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8608, 69.4634, 88.3757 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(221, 214, 235) looks like.

```
.text, #text, p{  
    color:rgb(221, 214, 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(221, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 214, 235) }
```

Border

The CSS property to change the border of an element to XYZ 68.8608, 69.4634, 88.3757 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(221, 214, 235) }
```


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

```
.border{ border-color:rgb(221, 214, 235) }
```

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

Here you see how a box with a 4 pixel rgb(221, 214, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(221, 214,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8608, 69.4634, 88.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 214, 235) }
```

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

```
.background{ background-color: rgb(221,  
214, 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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