

Converting Colors

XYZ(68.3799, 67.6233, 86.5151)

Have a look what the booklet for
XYZ(68.3799, 67.6233, 86.5151)
contains.

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Color

**XYZ(68.4950, 67.8237,
86.5720)**

Conversions

Conversions Part 1

Format	Color
Hex	E0D2E9
RGB	224, 210, 233
RGB Percent	88%, 82%, 91%
CMY	0.1216, 0.1764, 0.0863
CMYK	0.04, 0.10, 0.00, 0.09
HSL	277°, 34%, 87%
HSV	277°, 10%, 91%
XYZ	68.4950, 67.8237, 86.5720
YIQ	216.8080, 0.9610, 10.1210

Conversions

Conversions Part 2

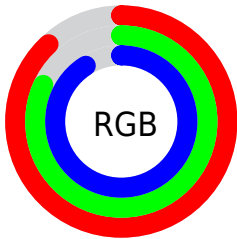
Format	Color
R _Y B	224, 210, 233
Decimal	14734057
CIE Lab	85.92, 8.97, -9.56
CIE LCh	86, 13.112, 313.174
Yxy	67.8237, 0.3073, 0.3043
Android (android.graphics.Color)	4292924137 (0xFFE0D2E9)
YUV	216.8080, 7.9827, 6.3074
Hunter-Lab	82.3551, 4.3374, -4.6772

Details

The XYZ color **68.4950, 67.8237, 86.5720** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.9878, 77.9929, 72.3416**, and the grayscale version is **65.7702, 69.1954, 75.3538**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1865, 35.3863, 46.5180** is the 20% darker color. If you saturate the color by 10%, you get **60.4059, 55.7282, 84.6647**, and if you desaturate by 10%, it is **77.5772, 81.6781, 88.7685**.

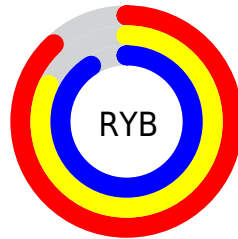
Distribution



Red (88%)

Green (82%)

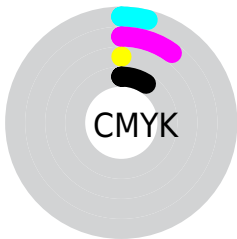
Blue (91%)



Red (88%)

Yellow (82%)

Blue (91%)

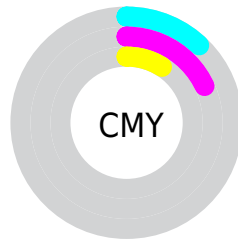


Cyan (4%)

Magenta (10%)

Yellow (0%)

Black (9%)



Cyan (12%)

Magenta (18%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4950, 67.8237, 86.5720 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 68.4950, 67.8237, 86.5720 by changing the saturation by 10% instead.

68.4950, 67.8237,
86.5720

68.4950, 67.8237,
86.5720

444.5971,
452.8711, 537.0951

50.5757, 49.7543,
64.5835

116.0980,
116.0999, 144.4610

36.0907, 35.2182,
46.6742

146.5124,
147.0755, 181.1986

24.6747, 23.8310,
32.4257

181.8226,
183.1220, 223.6896

15.9623, 15.2083,
21.4193

222.3939,
224.6237, 272.3526

9.5882, 8.9657,
13.2366

268.5916,
271.9651, 327.6061

5.1869, 4.7188,
7.4591

320.7812,

2.3932, 2.0833,

325.5305, 389.8687

3.6680

379.3279,
385.7044, 459.5588

■ 0.8417, 0.6552,
1.4451

■ 0.0000, 0.0000,
0.1765

■ 68.4950, 67.8237,
86.5720

■ 68.4950, 67.8237,
86.5720

■ 60.4059, 55.7282,
84.6647

■ 77.5772, 81.6781,
88.7685

■ 53.2654, 45.3097,
83.0301

■ 87.1683, 96.3229,
91.0897

■ 47.0346, 36.4925,
81.6566

■ 90.3810, 97.9791,
91.2401

■ 41.6691, 29.1916,
80.5302

■ 91.7082, 98.6633,
91.3022

■ 37.1206, 23.3140,
79.6354

■ 33.3352, 18.7561,
78.9552

■ 30.2519, 15.3997,
78.4698

■ 27.7985, 13.1044,
78.1561

■ 25.8550, 11.6346,
77.9748

Harmonies

Analogous

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



65.7889, 67.8237, 91.1421



68.4950, 67.8237, 86.5720



70.1488, 67.8237, 78.7376

Triad

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



68.4950, 67.8237, 86.5720



66.1497, 67.8237, 59.1285



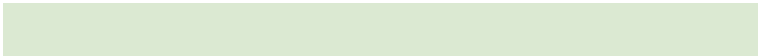
59.0059, 67.8237, 77.6806

Complementary

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



68.4950, 67.8237, 86.5720



69.9878, 77.9929, 72.3416

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.



59.0957, 67.8237, 69.1660



68.4950, 67.8237, 86.5720



63.1578, 67.8237, 58.8937

Square

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



68.4950, 67.8237, 86.5720



68.7662, 67.8237, 63.1053



60.5951, 67.8237, 62.4370



60.3459, 67.8237, 85.7466

Rectangle

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



68.4950, 67.8237, 86.5720



70.4011, 67.8237, 72.9369



60.5951, 67.8237, 62.4370



58.8712, 67.8237, 74.7677

Sweetspot

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



68.4970, 67.8266, 86.5735



91.5650, 94.6524, 108.0515



66.6727, 70.3551, 87.1577



19.4034, 19.9609, 23.0801



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.



68.4970, 67.8266, 86.5735



81.7838, 79.8056, 105.7013



71.0343, 69.1724, 84.9883



15.1111, 15.0025, 19.0216



14.8000, 6.6656, 44.2495



1.2696, 0.5788, 3.4797

Inverse Universe

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



69.4395, 68.5344, 76.5901



83.1983, 80.8646, 90.8669



67.6413, 76.7499, 73.7383



15.3096, 15.1517, 16.9154



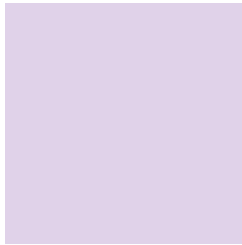
20.2005, 10.2829, 6.8573



1.6322, 0.8259, 0.7808

Previews

White Background



This preview shows how the XYZ color 68.4950, 67.8237, 86.5720 looks on a white background.

Color Contrast Check

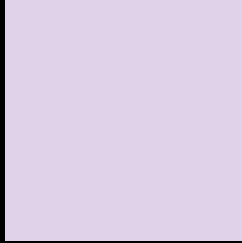
Large Text (above 18pt) WCAG AA × Fail

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 68.4950, 67.8237, 86.5720 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 68.4950, 67.8237, 86.5720

Background



This preview shows how black text looks on a background with the XYZ color 68.4950, 67.8237, 86.5720.



This preview shows how white text looks on a background with the XYZ color 68.4950, 67.8237,

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

68.4950, 67.8237, 86.5720

Protanopia

66.2302, 67.7328, 88.1803

Deuteranopia

69.1870, 67.8150, 86.5339



Tritanopia

67.7293, 67.8779, 82.9308

Trichromacy



Original Color

68.4950, 67.8237, 86.5720

Protanomaly

67.0100, 67.7792, 87.3928

Deuteranomaly

68.8725, 67.6529, 86.5191

Tritanomaly

68.0086, 67.9897, 84.4018

Monochromacy



Original Color

68.4950, 67.8237, 86.5720

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.8811, 68.6365, 79.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4950, 67.8237, 86.5720 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(224, 210, 233) looks like.

```
.text, #text, p{  
    color:rgb(224, 210, 233)  
}
```

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(224, 210, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 210, 233) }
```

Border

The CSS property to change the border of an element to XYZ 68.4950, 67.8237, 86.5720 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(224, 210, 233) }
```


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

```
.border{ border-color:rgb(224, 210, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 210, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 210, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 210, 233);  
box-shadow:4px 4px 4px 4px rgb(224, 210,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4950, 67.8237, 86.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 210, 233) }
```

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

```
.background{ background-color: rgb(224,  
210, 233) }
```

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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