

Converting Colors

XYZ(68.8245, 70.1923, 78.1473)

Have a look what the booklet for
XYZ(68.8245, 70.1923, 78.1473)
contains.

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Color

**XYZ(68.7156, 69.9901,
78.2943)**

Conversions

Conversions Part 1

Format	Color
Hex	E2D7DD
RGB	226, 215, 221
RGB Percent	89%, 84%, 87%
CMY	0.1137, 0.1568, 0.1333
CMYK	0.00, 0.05, 0.02, 0.11
HSL	327°, 16%, 86%
HSV	327°, 5%, 89%
XYZ	68.7156, 69.9901, 78.2943
YIQ	218.9730, 4.6300, 4.1980

Conversions

Conversions Part 2

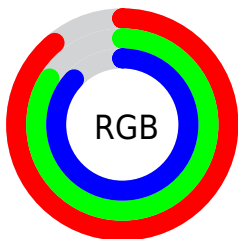
Format	Color
R _Y B	226, 215, 221
Decimal	14866397
CIE Lab	86.99, 4.82, -1.61
CIE LCh	87, 5.084, 341.581
Yxy	69.9901, 0.3167, 0.3225
Android (android.graphics.Color)	4293056477 (0xFFE2D7DD)
YUV	218.9730, 0.9993, 6.1627
Hunter-Lab	83.6601, 0.2088, 3.0748

Details

The XYZ color **68.7156, 69.9901, 78.2943** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.1416, 74.0089, 78.4075**, and the grayscale version is **67.3060, 70.8111, 77.1133**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2483, 36.5527, 41.2213** is the 20% darker color. If you saturate the color by 10%, you get **62.0266, 58.7358, 69.5154**, and if you desaturate by 10%, it is **76.2873, 82.8738, 87.7827**.

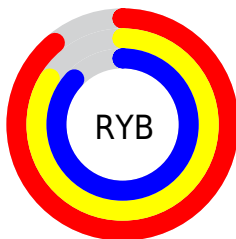
Distribution



Red (89%)

Green (84%)

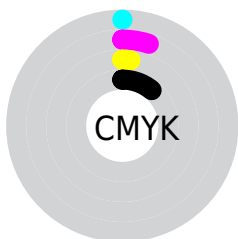
Blue (87%)



Red (89%)

Yellow (84%)

Blue (87%)

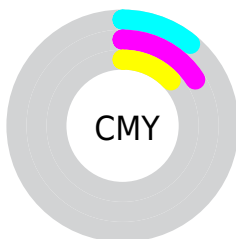


Cyan (0%)

Magenta (5%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (16%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7156, 69.9901, 78.2943 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 68.7156, 69.9901, 78.2943 by changing the saturation by 10% instead.

68.7156, 69.9901,
78.2943

68.7156, 69.9901,
78.2943

445.3643,
460.5152, 508.7201

50.7559, 51.5185,
57.7979

116.4116,
119.1946, 132.7546

36.2347, 36.6214,
41.2326

146.8786,
150.6963, 167.5555

24.7864, 24.9145,
28.1798

182.2454,
187.3102, 207.9616

16.0459, 16.0134,
18.2210

222.8774,
229.4205, 254.3916

9.6477, 9.5336,
10.9377

269.1400,
277.4118, 307.2639

5.2265, 5.0908,
5.9113

321.3984,

2.4169, 2.3007,

331.6684, 366.9970

2.7233

380.0181,
392.5748, 434.0096

■ 0.8535, 0.7741,
0.9551

■ 0.0000, 0.0000,
0.0000

■ 68.7156, 69.9901,
78.2943

■ 68.7156, 69.9901,
78.2943

■ 62.0266, 58.7358,
69.5154

■ 76.2873, 82.8738,
87.7827

■ 56.1805, 49.0365,
61.4228

■ 83.0846, 94.0730,
97.4327

■ 51.1432, 40.8255,
53.9985

■ 84.6683, 94.7065,
105.7725

■ 46.8757, 34.0274,
47.2217

■ 85.1744, 94.9090,
108.4378

■ 43.3360, 28.5605,
41.0703

■ 40.4775, 24.3346,
35.5208

■ 38.2480, 21.2480,
30.5470

■ 36.5872, 19.1827,
26.1200

■ 35.4214, 17.9945,
22.2061

Harmonies

Analogous

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



68.0519, 69.9901, 81.2092



68.7156, 69.9901, 78.2943



68.7877, 69.9901, 74.9008

Triad

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



68.7156, 69.9901, 78.2943



66.0657, 69.9901, 69.9731



64.8285, 69.9901, 80.6346

Complementary

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



68.7156, 69.9901, 78.2943



68.1416, 74.0089, 78.4075

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.



64.3095, 69.9901, 77.5289



68.7156, 69.9901, 78.2943



65.0181, 69.9901, 71.4152

Square

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



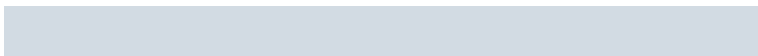
68.7156, 69.9901, 78.2943



67.2483, 69.9901, 70.1642



64.3785, 69.9901, 74.1578



65.8039, 69.9901, 82.5879

Rectangle

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



68.7156, 69.9901, 78.2943



68.4896, 69.9901, 72.8305



64.3785, 69.9901, 74.1578



64.5954, 69.9901, 79.6869

Sweetspot

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



68.7176, 69.9931, 78.2958



94.0557, 98.3093, 107.6504



67.5306, 69.3031, 81.7700



20.1423, 21.0601, 23.0548



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.



68.7176, 69.9931, 78.2958



89.2618, 90.1837, 101.5445



68.0035, 69.7075, 74.5354



14.4332, 14.5245, 16.4062



20.0020, 10.0678, 11.9420



1.4314, 0.7158, 1.0648

Inverse Universe

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



68.7176, 69.9931, 78.2958



89.2618, 90.1837, 101.5445



68.8749, 74.3022, 82.2692



14.4332, 14.5245, 16.4062



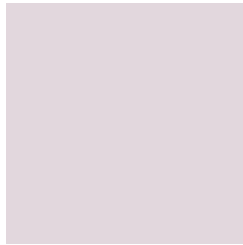
20.0020, 10.0678, 11.9420



1.4314, 0.7158, 1.0648

Previews

White Background



This preview shows how the XYZ color 68.7156, 69.9901, 78.2943 looks on a white background.

Color Contrast Check

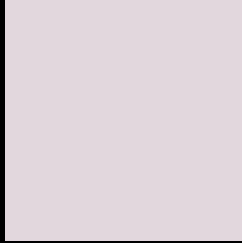
Large Text (above 18pt) WCAG AA × Fail

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 68.7156, 69.9901, 78.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

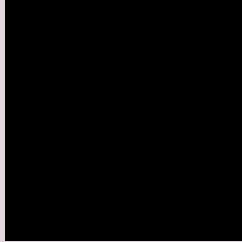
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

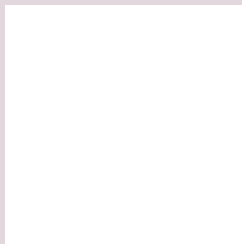
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7156, 69.9901, 78.2943

Background



This preview shows how black text looks on a background with the XYZ color 68.7156, 69.9901, 78.2943.

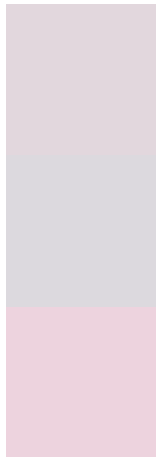


This preview shows how white text looks on a background with the XYZ color 68.7156, 69.9901,

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

68.7156, 69.9901, 78.2943

Protanopia

67.5129, 70.1153, 79.0825

Deuteranopia

71.4041, 69.8670, 78.8295



Tritanopia

70.0080, 70.1372, 84.7109

Trichromacy



Original Color

68.7156, 69.9901, 78.2943

Protanomaly

67.8649, 69.9153, 79.0254

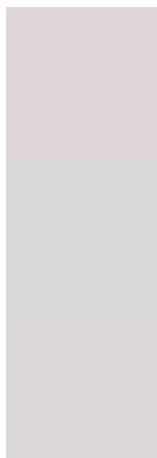
Deuteranomaly

70.3326, 69.6845, 78.8508

Tritanomaly

69.5902, 69.9701, 82.5108

Monochromacy



Original Color

68.7156, 69.9901, 78.2943

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

68.1139, 70.8397, 77.7936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7156, 69.9901, 78.2943 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(226, 215, 221) looks like.

```
.text, #text, p{  
    color:rgb(226, 215, 221)  
}
```

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(226, 215, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 215, 221) }
```

Border

The CSS property to change the border of an element to XYZ 68.7156, 69.9901, 78.2943 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(226, 215, 221) }
```


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

```
.border{ border-color:rgb(226, 215, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 215, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 215, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 215, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 215,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7156, 69.9901, 78.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 215, 221) }
```

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

```
.background{ background-color: rgb(226,  
215, 221) }
```

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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