

Converting Colors

XYZ(68.7656, 67.8945, 89.5966)

Have a look what the booklet for
XYZ(68.7656, 67.8945, 89.5966)
contains.

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Color

**XYZ(68.7641, 67.8956,
89.6017)**

Conversions

Conversions Part 1

Format	Color
Hex	DFD2ED
RGB	223, 210, 237
RGB Percent	87%, 82%, 93%
CMY	0.1255, 0.1765, 0.0706
CMYK	0.06, 0.11, 0.00, 0.07
HSL	269°, 43%, 88%
HSV	269°, 11%, 93%
XYZ	68.7641, 67.8956, 89.6017
YIQ	216.9650, -0.9190, 11.1530

Conversions

Conversions Part 2

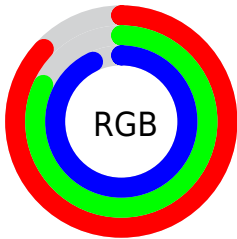
Format	Color
R _Y B	223, 210, 237
Decimal	14668525
CIE Lab	85.95, 9.40, -11.64
CIE LCh	86, 14.960, 308.938
Yxy	67.8956, 0.3039, 0.3001
Android (android.graphics.Color)	4292858605 (0xFFDFD2ED)
YUV	216.9650, 9.8773, 5.2927
Hunter-Lab	82.3988, 4.7654, -6.7937

Details

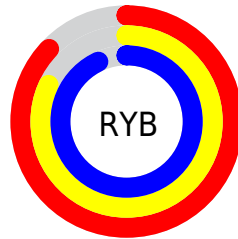
The XYZ color **68.7641, 67.8956, 89.6017** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.6600, 81.0706, 72.7947**, and the grayscale version is **65.8660, 69.2962, 75.4635**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3774, 35.4380, 48.6390** is the 20% darker color. If you saturate the color by 10%, you get **59.6909, 55.1673, 87.6241**, and if you desaturate by 10%, it is **78.9827, 82.5044, 91.8839**.

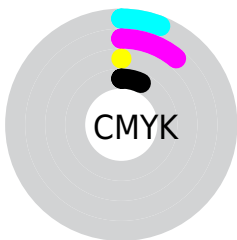
Distribution



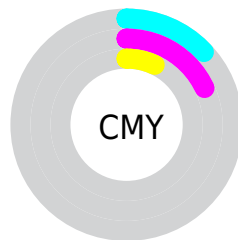
- Red (87%)
- Green (82%)
- Blue (93%)



- Red (87%)
- Yellow (82%)
- Blue (93%)



- Cyan (6%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (13%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7641, 67.8956, 89.6017 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 68.7641, 67.8956, 89.6017 by changing the saturation by 10% instead.

68.7641, 67.8956,
89.6017

68.7641, 67.8956,
89.6017

445.5329,
453.1260, 547.2710

50.7956, 49.8128,
67.0785

116.4805,
116.2028, 148.7157

36.2663, 35.2647,
48.6864

146.9591,
147.1960, 186.1436

24.8110, 23.8668,
34.0069

182.3383,
183.2614, 229.3767

16.0643, 15.2349,
22.6215

222.9837,
224.7834, 278.8337

9.6608, 8.9844,
14.1116

269.2605,
272.1465, 334.9331

5.2352, 4.7310,
8.0587

321.5340,

2.4221, 2.0903,

325.7351, 398.0934

4.0442

380.1697,
385.9334, 468.7332

■ 0.8561, 0.6592,
1.6496

■ 0.0000, 0.0000,
0.3259

■ 68.7641, 67.8956,
89.6017

■ 68.7641, 67.8956,
89.6017

■ 59.6909, 55.1673,
87.6241

■ 78.9827, 82.5044,
91.8839

■ 51.7133, 44.2319,
85.9339

■ 89.6097, 97.5147,
94.2211

■ 44.7866, 35.0077,
84.5185

■ 92.2863, 98.8945,
94.3464

■ 38.8605, 27.4031,
83.3630

■ 33.8798, 21.3176,
82.4509

■ 29.7835, 16.6392,
81.7638

■ 26.5024, 13.2395,
81.2805

■ 23.9544, 10.9651,
80.9758

■ 22.2386, 9.6985,
80.8217

Harmonies

Analogous

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



65.5621, 67.8956, 94.1843



68.7641, 67.8956, 89.6017



70.8806, 67.8956, 80.9196

Triad

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



68.7641, 67.8956, 89.6017



66.9303, 67.8956, 57.6745



58.2386, 67.8956, 76.8983

Complementary

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



68.7641, 67.8956, 89.6017



72.6600, 81.0706, 72.7947

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.



58.5757, 67.8956, 67.3488



68.7641, 67.8956, 89.6017



63.5142, 67.8956, 56.8045

Square

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



68.7641, 67.8956, 89.6017



69.7961, 67.8956, 62.6873



60.4786, 67.8956, 60.1956



59.5409, 67.8956, 86.4353

Rectangle

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



68.7641, 67.8956, 89.6017



71.3491, 67.8956, 74.2771



60.4786, 67.8956, 60.1956



58.1649, 67.8956, 73.5775

Sweetspot

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



68.7661, 67.8985, 89.6032



91.2134, 94.4711, 108.0350



68.6302, 73.3452, 90.6617



19.3085, 19.9120, 23.0757



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.



68.7661, 67.8985, 89.6032



78.2138, 75.9560, 105.1464



72.9599, 70.0605, 89.7995



14.9213, 14.9047, 19.0127



12.2913, 5.3723, 44.1321



1.0757, 0.4789, 3.4706

Inverse Universe

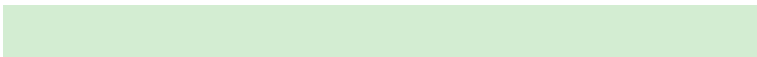
The Inverse Universe completely reimagines the original color for something new.



71.4286, 69.4826, 80.1711



82.0550, 78.2418, 91.5224



68.7548, 79.0574, 72.6120



15.3917, 15.1845, 17.3478



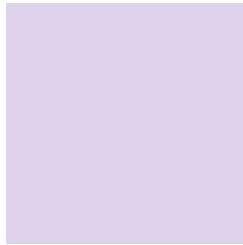
21.0831, 10.6359, 11.5050



1.7041, 0.8546, 1.1593

Previews

White Background



This preview shows how the XYZ color 68.7641, 67.8956, 89.6017 looks on a white background.

Color Contrast Check

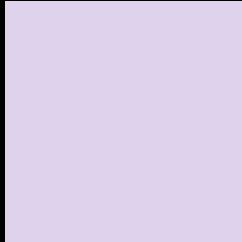
Large Text (above 18pt) WCAG AA × Fail

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 68.7641, 67.8956, 89.6017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

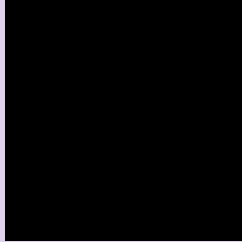
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7641, 67.8956, 89.6017

Background



This preview shows how black text looks on a background with the XYZ color 68.7641, 67.8956, 89.6017.



This preview shows how white text looks on a background with the XYZ color 68.7641, 67.8956,

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

68.7641, 67.8956, 89.6017

Protanopia

66.5256, 67.8175, 91.2452

Deuteranopia

69.4506, 67.8841, 89.5633



Tritanopia

67.4221, 67.7196, 82.9164

Trichromacy



Original Color

68.7641, 67.8956, 89.6017

Protanomaly

67.2950, 67.8589, 90.4402

Deuteranomaly

69.1379, 67.7229, 89.5486

Tritanomaly

67.8423, 67.8876, 85.1293

Monochromacy



Original Color

68.7641, 67.8956, 89.6017

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.7145, 68.5350, 80.2334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7641, 67.8956, 89.6017 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(223, 210, 237)` looks like.

```
.text, #text, p{  
    color:rgb(223, 210, 237)  
}
```

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(223, 210, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 210, 237) }
```

Border

The CSS property to change the border of an element to XYZ 68.7641, 67.8956, 89.6017 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(223, 210, 237) }
```


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

```
.border{ border-color:rgb(223, 210, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 210, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 210, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 210, 237); box-shadow:4px 4px 4px 4px rgb(223, 210, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7641, 67.8956, 89.6017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 210, 237) }
```

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

```
.background{ background-color: rgb(223,  
210, 237) }
```

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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