

Converting Colors

XYZ(68.3764, 63.8913, 99.0890)

Have a look what the booklet for
XYZ(68.3764, 63.8913, 99.0890)
contains.

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Color

**XYZ(68.3410, 63.8987,
99.1742)**

Conversions

Conversions Part 1

Format	Color
Hex	DFC8FA
RGB	223, 200, 250
RGB Percent	87%, 78%, 98%
CMY	0.1255, 0.2157, 0.0196
CMYK	0.11, 0.20, 0.00, 0.02
HSL	268°, 83%, 88%
HSV	268°, 20%, 98%
XYZ	68.3410, 63.8987, 99.1742
YIQ	212.5770, -2.3420, 20.4260

Conversions

Conversions Part 2

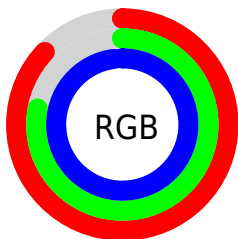
Format	Color
R _Y B	223, 200, 250
Decimal	14665978
CIE Lab	83.91, 17.28, -21.61
CIE LCh	84, 27.665, 308.650
Yxy	63.8987, 0.2953, 0.2761
Android (android.graphics.Color)	4292856058 (0xFFDFC8FA)
YUV	212.5770, 18.4495, 9.1410
Hunter-Lab	79.9367, 12.7175, -17.6031

Details

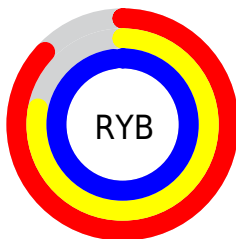
The XYZ color **68.3410, 63.8987, 99.1742** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.2918, 88.8739, 67.7801**, and the grayscale version is **62.8471, 66.1201, 72.0047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8409, 32.6235, 54.8600** is the 20% darker color. If you saturate the color by 10%, you get **59.0230, 51.1926, 97.2138**, and if you desaturate by 10%, it is **78.9413, 78.6745, 101.4685**.

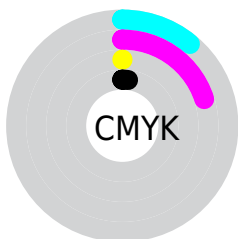
Distribution



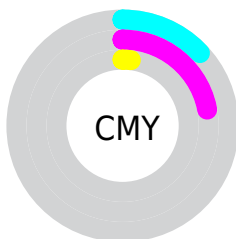
- Red (87%)
- Green (78%)
- Blue (98%)



- Red (87%)
- Yellow (78%)
- Blue (98%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (22%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3410, 63.8987, 99.1742 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 68.3410, 63.8987, 99.1742 by changing the saturation by 10% instead.

68.3410, 63.8987,
99.1742

68.3410, 63.8987,
99.1742

444.0611,
438.8237, 578.7659

50.4499, 46.5686,
74.9980

115.8791,
110.4650, 162.0638

35.9903, 32.6948,
55.1095

146.2567,
140.4701, 201.6144

24.5967, 21.8927,
39.0902

181.5273,
175.4689, 247.1268

15.9040, 13.7781,
26.5216

222.0561,
215.8460, 299.0196

9.5467, 7.9665,
16.9850

268.2086,
261.9856, 357.7114

5.1594, 4.0735,
10.0619

320.3499,

2.3768, 1.7148,

314.2721, 423.6207

5.3339

378.8457,
373.0900, 497.1660

■ 0.8335, 0.4332,
2.3823

■ 0.0000, 0.0000,
0.7768

■ 68.3410, 63.8987,
99.1742

■ 68.3410, 63.8987,
99.1742

■ 59.0230, 51.1926,
97.2138

■ 78.9413, 78.6745,
101.4685

■ 50.9277, 40.4523,
95.5674

■ 90.8683, 95.6013,
104.1071

■ 43.9994, 31.5767,
94.2194

■ 94.2555, 99.6822,
104.7163

■ 38.1751, 24.4523,
93.1512

■ 33.3853, 18.9529,
92.3422

■ 29.5512, 14.9343,
91.7686

■ 26.5802, 12.2255,
91.4023

■ 24.3253, 10.5469,
91.1971

■ 24.3249, 10.5466,
91.1971

Harmonies

Analogous

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



62.5111, 63.8987, 108.2538



68.3410, 63.8987, 99.1742



72.3001, 63.8987, 82.5060

Triad

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



68.3410, 63.8987, 99.1742



65.0954, 63.8987, 42.7918



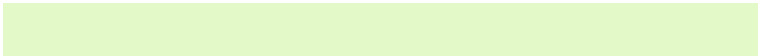
49.8819, 63.8987, 74.7387

Complementary

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



68.3410, 63.8987, 99.1742



76.2918, 88.8739, 67.7801

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.



50.4719, 63.8987, 58.0707



68.3410, 63.8987, 99.1742



58.9905, 63.8987, 41.4188

Square

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



68.3410, 63.8987, 99.1742



70.3409, 63.8987, 50.6692



53.7132, 63.8987, 46.5422



52.0439, 63.8987, 92.6802

Rectangle

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



68.3410, 63.8987, 99.1742



73.2024, 63.8987, 70.3678



53.7132, 63.8987, 46.5422



49.7681, 63.8987, 68.7878

Sweetspot

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



68.3430, 63.9014, 99.1756



87.3871, 89.0902, 107.1981



68.6831, 74.3960, 101.1833



18.5325, 18.8255, 22.9069



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.



68.3430, 63.9014, 99.1756



67.4063, 61.2364, 102.8748



76.4458, 68.0785, 99.5548



17.0417, 17.0341, 21.7750



13.0643, 5.6776, 48.3809



1.3307, 0.5881, 4.4866

Inverse Universe

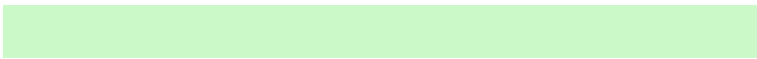
The Inverse Universe completely reimagines the original color for something new.



73.9459, 67.1814, 81.7461



74.3317, 65.2924, 81.2493



69.1059, 85.1694, 67.4438



17.6366, 17.3820, 19.9421



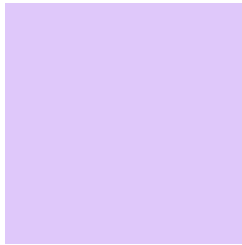
23.3054, 11.7379, 13.5825



2.2120, 1.1085, 1.5399

Previews

White Background



This preview shows how the XYZ color 68.3410, 63.8987, 99.1742 looks on a white background.

Color Contrast Check

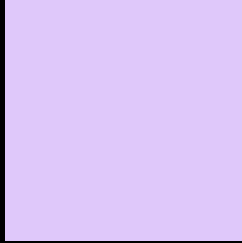
Large Text (above 18pt) WCAG AA × Fail

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 68.3410, 63.8987, 99.1742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

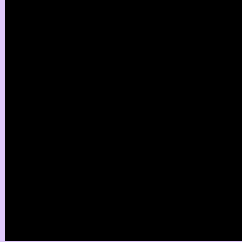
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3410, 63.8987, 99.1742

Background



This preview shows how black text looks on a background with the XYZ color 68.3410, 63.8987, 99.1742.

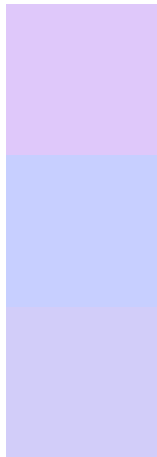


This preview shows how white text looks on a background with the XYZ color 68.3410, 63.8987,

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

68.3410, 63.8987, 99.1742

Protanopia

63.9160, 63.9878, 103.5899

Deuteranopia

65.5085, 64.2038, 98.5624



Tritanopia

63.7959, 63.7885, 77.3566

Trichromacy



Original Color

68.3410, 63.8987, 99.1742

Protanomaly

65.3349, 63.6875, 101.7779

Deuteranomaly

66.4792, 63.9985, 98.4716

Tritanomaly

65.4366, 63.7537, 85.2007

Monochromacy



Original Color

68.3410, 63.8987, 99.1742

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.8986, 65.3545, 81.1457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3410, 63.8987, 99.1742 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, 200, 250)` looks like.

```
.text, #text, p{  
    color:rgb(223, 200, 250)  
}
```

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, 200, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 200, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.3410, 63.8987, 99.1742 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, 200, 250) }
```


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

```
.border{ border-color:rgb(223, 200, 250) }
```

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

Here you see how a box with a 4 pixel rgb(223, 200, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 200, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 200, 250);  
box-shadow:4px 4px 4px 4px rgb(223, 200,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3410, 63.8987, 99.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 200, 250) }
```

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

```
.background{ background-color: rgb(223,  
200, 250) }
```

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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