

Converting Colors

XYZ(68.0962, 67.3570, 99.0024)

Have a look what the booklet for
XYZ(68.0962, 67.3570, 99.0024)
contains.

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Color

**XYZ(68.1698, 67.3798,
99.0352)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D2F9
RGB	215, 210, 249
RGB Percent	84%, 82%, 98%
CMY	0.1569, 0.1765, 0.0235
CMYK	0.14, 0.16, 0.00, 0.02
HSL	248°, 76%, 90%
HSV	248°, 16%, 98%
XYZ	68.1698, 67.3798, 99.0352
YIQ	215.9410, -9.5390, 13.1890

Conversions

Conversions Part 2

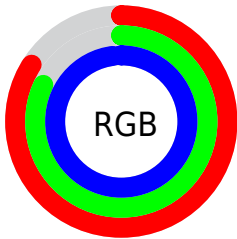
Format	Color
R _Y B	215, 210, 249
Decimal	14144249
CIE Lab	85.70, 9.22, -18.44
CIE LCh	86, 20.619, 296.566
Yxy	67.3798, 0.2906, 0.2872
Android (android.graphics.Color)	4292334329 (0xFFD7D2F9)
YUV	215.9410, 16.2981, -0.8253
Hunter-Lab	82.0852, 4.5909, -14.0733

Details

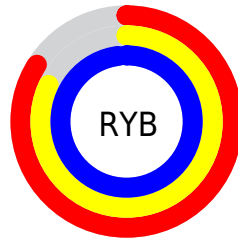
The XYZ color **68.1698, 67.3798, 99.0352** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.8191, 91.6393, 74.2990**, and the grayscale version is **65.1290, 68.5208, 74.6191**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0113, 35.1008, 55.3292** is the 20% darker color. If you saturate the color by 10%, you get **56.5371, 52.9574, 96.8656**, and if you desaturate by 10%, it is **81.6090, 84.1567, 101.5662**.

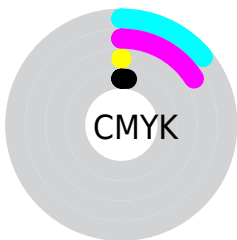
Distribution



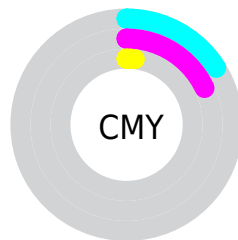
- Red (84%)
- Green (82%)
- Blue (98%)



- Red (84%)
- Yellow (82%)
- Blue (98%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1698, 67.3798, 99.0352 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 68.1698, 67.3798, 99.0352 by changing the saturation by 10% instead.

68.1698, 67.3798,
99.0352

68.1698, 67.3798,
99.0352

443.4647,
451.2955, 578.3152

50.3101, 49.3933,
74.8826

115.6356,
115.4645, 161.8710

35.8786, 34.9316,
55.0156

145.9724,
146.3314, 201.3913

24.5102, 23.6102,
39.0155

181.1989,
182.2607, 246.8713

15.8393, 15.0447,
26.4639

221.6805,
223.6367, 298.7295

9.5006, 8.8508,
16.9421

267.7825,
270.8438, 357.3845

5.1288, 4.6440,
10.0317

319.8703,

2.3586, 2.0399,

324.2663, 423.2547

5.3141

378.3092,
384.2888, 496.7588

■ 0.8244, 0.6305,
2.3708

■ 0.0000, 0.0000,
0.7705

■ 68.1698, 67.3798,
99.0352

■ 68.1698, 67.3798,
99.0352

■ 56.5371, 52.9574,
96.8656

■ 81.6090, 84.1567,
101.5662

■ 46.6275, 40.7759,
95.0366

■ 94.0991, 99.6196,
103.8926

■ 38.3603, 30.7248,
93.5323

■ 31.6458, 22.6810,
92.3336

■ 26.3857, 16.5085,
91.4194

■ 22.4702, 12.0545,
90.7660

■ 19.7734, 9.1416,
90.3459

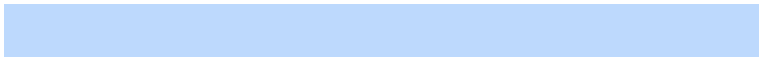
■ 18.1442, 7.5527,
90.1251

■ 17.6920, 7.1453,
90.0703

Harmonies

Analogous

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



63.5026, 67.3798, 102.3524



68.1698, 67.3798, 99.0352



71.8842, 67.3798, 88.5698

Triad

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



68.1698, 67.3798, 99.0352



69.1521, 67.3798, 53.8162



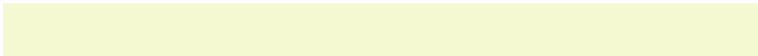
55.4383, 67.3798, 71.8255

Complementary

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



68.1698, 67.3798, 99.0352



82.8191, 91.6393, 74.2990

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.



56.7928, 67.3798, 60.0085



68.1698, 67.3798, 99.0352



64.5854, 67.3798, 50.4434

Square

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



68.1698, 67.3798, 99.0352



72.4706, 67.3798, 62.3881



60.0852, 67.3798, 52.5649



56.2946, 67.3798, 85.5597

Rectangle

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



68.1698, 67.3798, 99.0352



73.2408, 67.3798, 79.5443



60.0852, 67.3798, 52.5649



55.6484, 67.3798, 67.5146

Sweetspot

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



68.1719, 67.3826, 99.0367



87.1446, 90.0855, 107.4030



76.1656, 85.5155, 102.1154



18.4233, 18.9950, 22.9453



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.



68.1719, 67.3826, 99.0367



67.6247, 65.7380, 103.7322



74.0958, 70.4365, 99.3139



16.4897, 16.7496, 21.7492



9.5338, 3.8575, 48.2156



0.9459, 0.3897, 4.4685

Inverse Universe

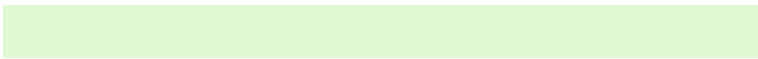
The Inverse Universe completely reimagines the original color for something new.



78.4449, 72.7674, 95.5020



80.5102, 72.4944, 99.2012



76.5464, 88.4056, 74.0055



17.8917, 17.4840, 21.2853



27.6596, 13.4796, 36.5115



2.5877, 1.2588, 3.5180

Previews

White Background



This preview shows how the XYZ color 68.1698, 67.3798, 99.0352 looks on a white background.

Color Contrast Check

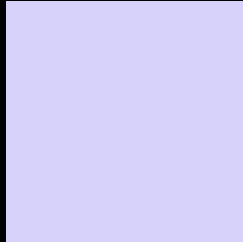
Large Text (above 18pt) WCAG AA × Fail

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 68.1698, 67.3798, 99.0352 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 68.1698, 67.3798, 99.0352

Background



This preview shows how black text looks on a background with the XYZ color 68.1698, 67.3798, 99.0352.

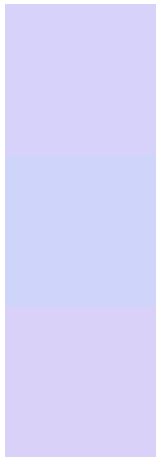


This preview shows how white text looks on a background with the XYZ color 68.1698, 67.3798,

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

68.1698, 67.3798, 99.0352

Protanopia

66.6882, 67.3174, 100.7455

Deuteranopia

68.8128, 67.3459, 98.9948



Tritanopia

65.2286, 67.2987, 84.4149

Trichromacy



Original Color

68.1698, 67.3798, 99.0352

Protanomaly

67.1279, 67.1923, 99.8739

Deuteranomaly

68.5146, 67.1922, 98.9808

Tritanomaly

66.2701, 67.3475, 89.6273

Monochromacy



Original Color

68.1698, 67.3798, 99.0352

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.3691, 68.2935, 83.0827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1698, 67.3798, 99.0352 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(215, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(215, 210, 249)  
}
```

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(215, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 210, 249) }
```

Border

The CSS property to change the border of an element to XYZ 68.1698, 67.3798, 99.0352 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(215, 210, 249) }
```


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

```
.border{ border-color:rgb(215, 210, 249) }
```

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

Here you see how a box with a 4 pixel rgb(215, 210, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(215, 210,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1698, 67.3798, 99.0352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 210, 249) }
```

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

```
.background{ background-color: rgb(215,  
210, 249) }
```

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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