

Converting Colors

XYZ(68.8265, 68.3170, 99.2249)

Have a look what the booklet for
XYZ(68.8265, 68.3170, 99.2249)
contains.

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Color

**XYZ(68.9613, 68.5254,
99.2146)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D4F9
RGB	216, 212, 249
RGB Percent	85%, 83%, 98%
CMY	0.1529, 0.1686, 0.0235
CMYK	0.13, 0.15, 0.00, 0.02
HSL	246°, 76%, 90%
HSV	246°, 15%, 98%
XYZ	68.9613, 68.5254, 99.2146
YIQ	217.4140, -9.4930, 12.3550

Conversions

Conversions Part 2

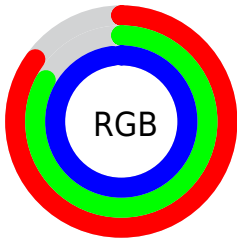
Format	Color
R _{YB}	216, 212, 249
Decimal	14210297
CIE Lab	86.27, 8.48, -17.57
CIE LCh	86, 19.509, 295.753
Yxy	68.5254, 0.2913, 0.2895
Android (android.graphics.Color)	4292400377 (0xFFD8D4F9)
YUV	217.4140, 15.5719, -1.2401
Hunter-Lab	82.7801, 3.8372, -13.1149

Details

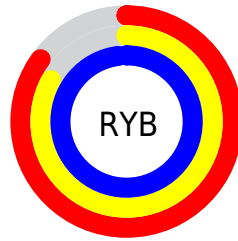
The XYZ color **68.9613, 68.5254, 99.2146** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.4177, 91.9190, 75.6360**, and the grayscale version is **66.1402, 69.5846, 75.7776**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3806, 35.5413, 55.3948** is the 20% darker color. If you saturate the color by 10%, you get **57.0867, 53.8666, 97.0121**, and if you desaturate by 10%, it is **82.6868, 85.5668, 101.7816**.

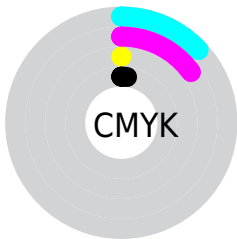
Distribution



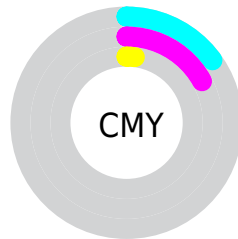
- Red (85%)
- Green (83%)
- Blue (98%)



- Red (85%)
- Yellow (83%)
- Blue (98%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (17%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9613, 68.5254, 99.2146 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 68.9613, 68.5254, 99.2146 by changing the saturation by 10% instead.

68.9613, 68.5254,
99.2146

68.9613, 68.5254,
99.2146

446.2180,
455.3553, 578.8968

50.9567, 50.3253,
75.0316

116.7607,
117.1035, 162.1199

36.3951, 35.6719,
55.1369

147.2862,
148.2502, 201.6792

24.9110, 24.1809,
39.1120

182.7160,
184.4812, 247.2011

16.1391, 15.4679,
26.5383

223.4156,
226.1810, 299.1040

9.7141, 9.1484,
16.9974

269.7502,
273.7339, 357.8064

5.2706, 4.8381,
10.0707

322.0852,

2.4433, 2.1526,

327.5243, 423.7270

5.3397

380.7860,
387.9367, 497.2843

■ 0.8668, 0.6940,
2.3857

■ 0.0000, 0.0000,
0.7786

■ 68.9613, 68.5254,
99.2146

■ 68.9613, 68.5254,
99.2146

■ 57.0867, 53.8666,
97.0121

■ 82.6868, 85.5668,
101.7816

■ 46.9775, 41.4760,
95.1533

■ 94.0991, 99.6196,
103.8926

■ 38.5509, 31.2424,
93.6221

■ 31.7149, 23.0421,
92.3996

■ 26.3687, 16.7385,
91.4647

■ 22.3996, 12.1784,
90.7937

■ 19.6788, 9.1844,
90.3592

■ 18.0520, 7.5408,
90.1277

■ 17.5486, 7.0714,
90.0636

Harmonies

Analogous

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



64.4931, 68.5254, 102.1351



68.9613, 68.5254, 99.2146



72.5441, 68.5254, 89.4352

Triad

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



68.9613, 68.5254, 99.2146



70.1199, 68.5254, 55.9561



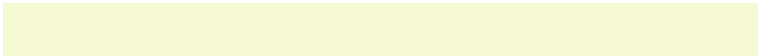
56.8827, 68.5254, 72.7936

Complementary

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



68.9613, 68.5254, 99.2146



83.4177, 91.9190, 75.6360

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.



58.2416, 68.5254, 61.5254



68.9613, 68.5254, 99.2146



65.7738, 68.5254, 52.5399

Square

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



68.9613, 68.5254, 99.2146



73.2343, 68.5254, 64.3610



61.4459, 68.5254, 54.4559



57.6492, 68.5254, 85.8986

Rectangle

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



68.9613, 68.5254, 99.2146



73.8774, 68.5254, 80.8747



61.4459, 68.5254, 54.4559



57.1043, 68.5254, 68.6823

Sweetspot

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



68.9634, 68.5283, 99.2161



88.6137, 91.9790, 107.6910



76.9956, 86.3249, 102.2279



18.7157, 19.3745, 23.0032



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.



68.9634, 68.5283, 99.2161



68.6241, 67.1752, 103.9570



74.6420, 71.4557, 99.4819



16.4571, 16.7328, 21.7477



9.4493, 3.8140, 48.2117



0.9305, 0.3818, 4.4678

Inverse Universe

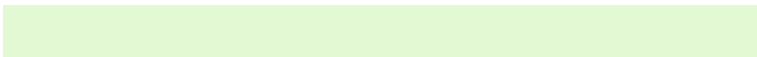
The Inverse Universe completely reimagines the original color for something new.



79.0940, 73.8221, 96.4694



81.3266, 73.8147, 100.4367



77.3769, 88.8048, 75.3533



17.9075, 17.4903, 21.3685



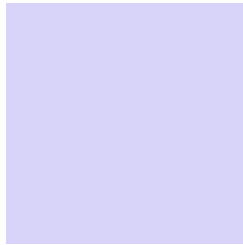
28.0086, 13.6192, 38.3495



2.6165, 1.2703, 3.6700

Previews

White Background



This preview shows how the XYZ color 68.9613, 68.5254, 99.2146 looks on a white background.

Color Contrast Check

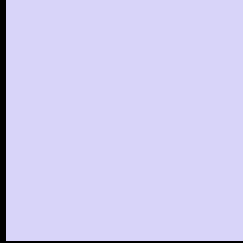
Large Text (above 18pt) WCAG AA × Fail

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 68.9613, 68.5254, 99.2146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

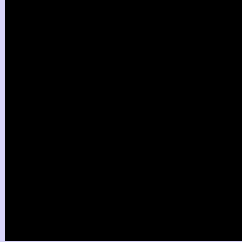
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9613, 68.5254, 99.2146

Background



This preview shows how black text looks on a background with the XYZ color 68.9613, 68.5254, 99.2146.

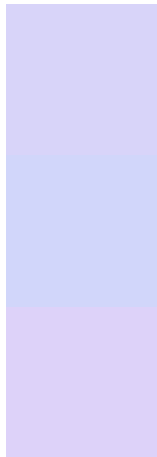


This preview shows how white text looks on a background with the XYZ color 68.9613, 68.5254,

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

68.9613, 68.5254, 99.2146

Protanopia

67.5964, 68.5506, 100.1114

Deuteranopia

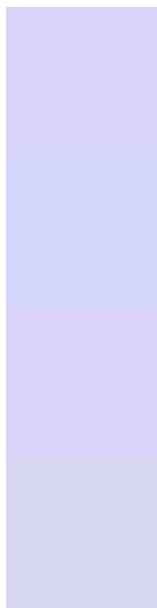
69.9643, 68.3049, 99.1192



Tritanopia

66.3065, 68.5732, 86.0852

Trichromacy



Original Color

68.9613, 68.5254, 99.2146

Protanomaly

68.2009, 68.4877, 100.0673

Deuteranomaly

69.6066, 68.4882, 99.1734

Tritanomaly

67.2107, 68.5623, 90.5804

Monochromacy



Original Color

68.9613, 68.5254, 99.2146

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.0586, 69.0097, 83.9146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9613, 68.5254, 99.2146 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(216, 212, 249)` looks like.

```
.text, #text, p{  
    color:rgb(216, 212, 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(216, 212, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 212, 249) }
```

Border

The CSS property to change the border of an element to XYZ 68.9613, 68.5254, 99.2146 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(216, 212, 249) }
```


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

```
.border{ border-color:rgb(216, 212, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 212, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 212, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 212, 249);  
box-shadow:4px 4px 4px 4px rgb(216, 212,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9613, 68.5254, 99.2146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 212, 249) }
```

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

```
.background{ background-color: rgb(216,  
212, 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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