

Converting Colors

XYZ(67.3644, 68.1788,
100.5183)

Have a look what the booklet for
XYZ(67.3644, 68.1788, 100.5183)
contains.

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Color

**XYZ(67.2193, 67.9634,
100.8422)**

Conversions

Conversions Part 1

Format	Color
Hex	D0D5FB
RGB	208, 213, 251
RGB Percent	82%, 84%, 98%
CMY	0.1843, 0.1647, 0.0157
CMYK	0.17, 0.15, 0.00, 0.02
HSL	233°, 84%, 90%
HSV	233°, 17%, 98%
XYZ	67.2193, 67.9634, 100.8422
YIQ	215.8370, -15.1780, 10.7580

Conversions

Conversions Part 2

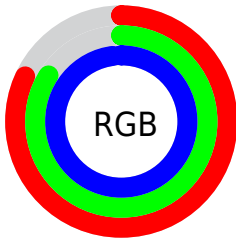
Format	Color
R _Y B	208, 212, 251
Decimal	13686267
CIE Lab	85.99, 5.87, -19.11
CIE LCh	86, 19.990, 287.075
Yxy	67.9634, 0.2848, 0.2880
Android (android.graphics.Color)	4291876347 (0xFFD0D5FB)
YUV	215.8370, 17.3354, -6.8730
Hunter-Lab	82.4399, 1.2743, -14.8168

Details

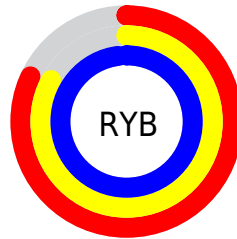
The XYZ color **67.2193, 67.9634, 100.8422** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.1253, 90.9750, 72.8023**, and the grayscale version is **65.0542, 68.4421, 74.5334**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1013, 35.1211, 55.9679** is the 20% darker color. If you saturate the color by 10%, you get **55.5106, 54.2054, 98.8049**, and if you desaturate by 10%, it is **80.8120, 83.8287, 103.1892**.

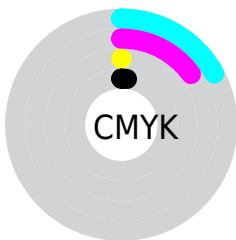
Distribution



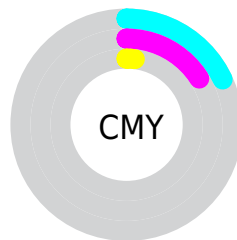
- Red (82%)
- Green (84%)
- Blue (98%)



- Red (82%)
- Yellow (83%)
- Blue (98%)



- Cyan (17%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2193, 67.9634, 100.8422 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 67.2193, 67.9634, 100.8422 by changing the saturation by 10% instead.

■ 67.2193, 67.9634,
100.8422

■ 67.2193, 67.9634,
100.8422

440.1452,
453.3663, 584.1592

■ 49.5342, 49.8680,
76.3833

114.2827,
116.2998, 164.3760

■ 35.2597, 35.3085,
56.2383

144.3916,
147.3095, 204.2880

■ 24.0305, 23.9006,
39.9888

179.3726,
183.3928, 250.1881

■ 15.4811, 15.2599,
27.2161

219.5910,
224.9340, 302.4949

■ 9.2462, 9.0020,
17.5017

265.4121,
272.3176, 361.6268

■ 4.9605, 4.7425,
10.4271

317.2012,

■ 2.2586, 2.0970,

325.9279, 428.0025

5.5738

375.3238,
386.1494, 502.0405

■ 0.7734, 0.6629,
2.5231

■ 0.0000, 0.0000,
0.8524

■ 67.2193, 67.9634,
100.8422

■ 67.2193, 67.9634,
100.8422

■ 55.5106, 54.2054,
98.8049

■ 80.8120, 83.8287,
103.1892

■ 45.5963, 42.4578,
97.0599

■ 94.4128, 99.7451,
105.5445

■ 37.3892, 32.6284,
95.5952

■ 30.7920, 24.6147,
94.3961

■ 25.6978, 18.3045,
93.4466

■ 21.9861, 13.5728,
92.7289

■ 19.5180, 10.2772,
92.2229

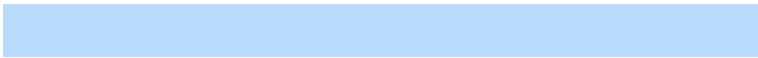
■ 18.1206, 8.2470,
91.9046

■ 17.8570, 7.8536,
91.8426

Harmonies

Analogous

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



62.6461, 67.9634, 101.4247



67.2193, 67.9634, 100.8422



71.2671, 67.9634, 92.5534

Triad

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



67.2193, 67.9634, 100.8422



70.7864, 67.9634, 57.0163



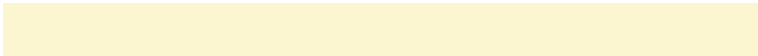
56.3833, 67.9634, 68.4978

Complementary

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



67.2193, 67.9634, 100.8422



84.1253, 90.9750, 72.8023

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.



58.3570, 67.9634, 58.1092



67.2193, 67.9634, 100.8422



66.5884, 67.9634, 52.0275

Square

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



67.2193, 67.9634, 100.8422



73.3924, 67.9634, 66.8350



62.0441, 67.9634, 52.4023



56.5343, 67.9634, 81.6609

Rectangle

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



67.2193, 67.9634, 100.8422



73.0580, 67.9634, 84.2730



62.0441, 67.9634, 52.4023



56.8162, 67.9634, 64.5988

Sweetspot

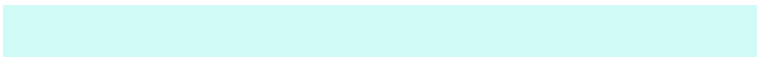
The Sweet Spot groups the original color and five complimentary colors.



67.2214, 67.9662, 100.8437



87.0243, 90.6824, 107.5245



77.1430, 89.0584, 100.3007



18.3942, 19.1393, 22.9747



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.



67.2214, 67.9662, 100.8437



64.7363, 64.6554, 103.6755



70.8605, 68.0032, 100.6591



16.4456, 16.9680, 21.7937



9.4387, 4.2330, 48.2931



0.9250, 0.4936, 4.4897

Inverse Universe

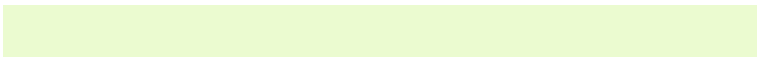
The Inverse Universe completely reimagines the original color for something new.



74.3515, 70.4269, 72.6288



73.5774, 67.7817, 68.6730



79.9853, 91.1297, 73.0504



17.3267, 17.2580, 18.3102



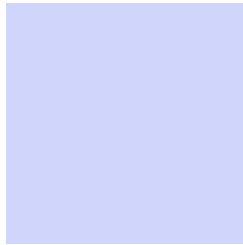
21.0563, 10.8382, 1.7387



1.9758, 1.0141, 0.2960

Previews

White Background



This preview shows how the XYZ color 67.2193, 67.9634, 100.8422 looks on a white background.

Color Contrast Check

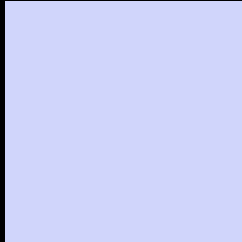
Large Text (above 18pt) WCAG AA × Fail

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 67.2193, 67.9634, 100.8422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

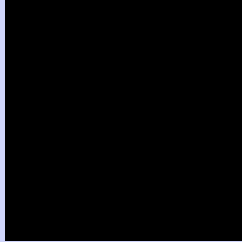
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2193, 67.9634, 100.8422

Background



This preview shows how black text looks on a background with the XYZ color 67.2193, 67.9634, 100.8422.

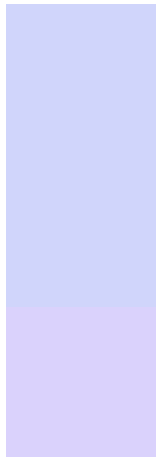


This preview shows how white text looks on a background with the XYZ color 67.2193, 67.9634,

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

67.2193, 67.9634, 100.8422

Protanopia

67.2193, 67.9634, 100.8422

Deuteranopia

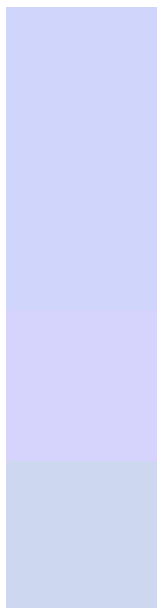
69.5307, 68.0269, 101.5613



Tritanopia

64.4407, 67.9741, 86.8147

Trichromacy



Original Color

67.2193, 67.9634, 100.8422

Protanomaly

67.2193, 67.9634, 100.8422

Deuteranomaly

68.5965, 67.9129, 101.5885

Tritanomaly

65.4822, 68.0140, 92.1148

Monochromacy



Original Color

67.2193, 67.9634, 100.8422

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.8839, 68.4042, 83.8596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2193, 67.9634, 100.8422 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(208, 213, 251)` looks like.

```
.text, #text, p{  
    color:rgb(208, 213, 251)  
}
```

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(208, 213, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 213, 251) }
```

Border

The CSS property to change the border of an element to XYZ 67.2193, 67.9634, 100.8422 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(208, 213, 251) }
```


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

```
.border{ border-color:rgb(208, 213, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 213, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 213, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 213, 251);  
box-shadow:4px 4px 4px 4px rgb(208, 213,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2193, 67.9634, 100.8422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 213, 251) }
```

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

```
.background{ background-color: rgb(208,  
213, 251) }
```

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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