

Converting Colors

XYZ(68.2272, 66.9321,
103.3963)

Have a look what the booklet for
XYZ(68.2272, 66.9321, 103.3963)
contains.

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Color

**XYZ(68.1304, 66.9028,
103.0886)**

Conversions

Conversions Part 1

Format	Color
Hex	D5D1FE
RGB	213, 209, 254
RGB Percent	84%, 82%, 100%
CMY	0.1647, 0.1804, 0.0039
CMYK	0.16, 0.18, 0.00, 0.00
HSL	245°, 96%, 91%
HSV	245°, 18%, 100%
XYZ	68.1304, 66.9028, 103.0886
YIQ	215.3260, -12.0610, 14.8430

Conversions

Conversions Part 2

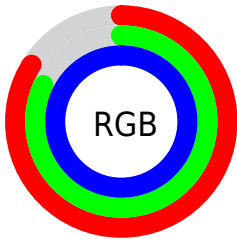
Format	Color
R _Y B	213, 209, 254
Decimal	14012926
CIE Lab	85.45, 10.17, -21.47
CIE LCh	85, 23.753, 295.355
Yxy	66.9028, 0.2861, 0.2810
Android (android.graphics.Color)	4292203006 (0xFFD5D1FE)
YUV	215.3260, 19.0663, -2.0399
Hunter-Lab	81.7941, 5.5418, -17.4698

Details

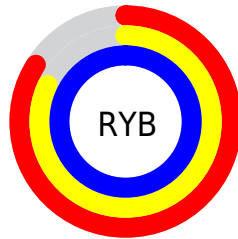
The XYZ color **68.1304, 66.9028, 103.0886** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.3770, 95.8128, 74.2658**, and the grayscale version is **64.6945, 68.0637, 74.1214**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8999, 34.7430, 57.6373** is the 20% darker color. If you saturate the color by 10%, you get **56.1480, 52.2017, 100.8836**, and if you desaturate by 10%, it is **82.0683, 84.0901, 105.6725**.

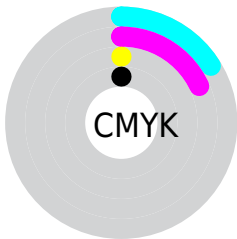
Distribution



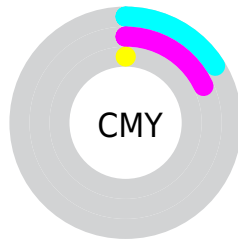
- Red (84%)
- Green (82%)
- Blue (100%)



- Red (84%)
- Yellow (82%)
- Blue (100%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1304, 66.9028, 103.0886 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 68.1304, 66.9028, 103.0886 by changing the saturation by 10% instead.

68.1304, 66.9028,
103.0886

68.1304, 66.9028,
103.0886

443.3274,
449.5987, 591.3813

50.2779, 49.0056,
78.2512

115.5796,
114.7811, 167.4840

35.8530, 34.6240,
57.7627

145.9069,
145.5311, 207.8791

24.4902, 23.3733,
41.2045

181.1233,
181.3341, 254.2971

15.8244, 14.8694,
28.1580

221.5940,
222.5745, 307.1567

9.4900, 8.7278,
18.2047

267.6844,
269.6368, 366.8764

5.1218, 4.5641,
10.9261

319.7598,

2.3544, 1.9938,

322.9054, 433.8747

5.9036

378.1857,
382.7645, 508.5702

■ 0.8223, 0.6039,
2.7187

■ 0.0000, 0.0000,
0.9528

■ 68.1304, 66.9028,
103.0886

■ 68.1304, 66.9028,
103.0886

■ 56.1480, 52.2017,
100.8836

■ 82.0683, 84.0901,
105.6725

■ 46.0277, 39.8639,
99.0356

94.8896, 99.9358,
108.0553

■ 37.6773, 29.7682,
97.5270

■ 30.9948, 21.7795,
96.3373

■ 25.8674, 15.7481,
95.4433

■ 22.1682, 11.5046,
94.8192

■ 19.7501, 8.8503,
94.4343

■ 18.4275, 7.5267,
94.2486

■ 18.2331, 7.3329,
94.2214

Harmonies

Analogous

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



62.7537, 66.9028, 106.6083



68.1304, 66.9028, 103.0886



72.5004, 66.9028, 91.0521

Triad

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



68.1304, 66.9028, 103.0886



69.6636, 66.9028, 51.0575



53.8102, 66.9028, 70.4689

Complementary

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



68.1304, 66.9028, 103.0886



86.3770, 95.8128, 74.2658

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.



55.4396, 66.9028, 57.2441



68.1304, 66.9028, 103.0886



64.4319, 66.9028, 47.0900

Square

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



68.1304, 66.9028, 103.0886



73.4201, 66.9028, 60.8624



59.2542, 66.9028, 49.1846



54.6774, 66.9028, 86.3071

Rectangle

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



68.1304, 66.9028, 103.0886



74.1506, 66.9028, 80.6093



59.2542, 66.9028, 49.1846



54.0814, 66.9028, 65.5975

Sweetspot

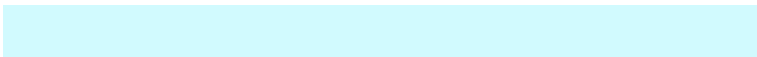
The Sweet Spot groups the original color and five complimentary colors.



68.1325, 66.9056, 103.0901



86.9710, 89.9960, 107.3949



78.4493, 89.2395, 106.8572



18.3813, 18.9733, 22.9434



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.



68.1325, 66.9056, 103.0901



64.5530, 62.3550, 103.2411



75.0357, 70.4643, 103.4132



17.1526, 17.4549, 22.7150



9.6625, 3.8917, 49.6765



0.9892, 0.4039, 4.8391

Inverse Universe

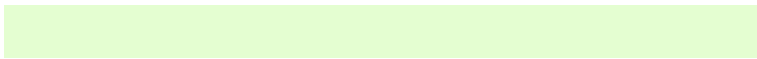
The Inverse Universe completely reimagines the original color for something new.



80.9310, 73.5767, 100.3816



79.5251, 70.1608, 99.9928



78.8681, 91.9418, 73.9144



18.7190, 18.2709, 22.4032



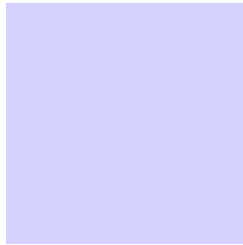
29.2140, 14.1749, 41.3729



2.8640, 1.3880, 4.1314

Previews

White Background



This preview shows how the XYZ color 68.1304, 66.9028, 103.0886 looks on a white background.

Color Contrast Check

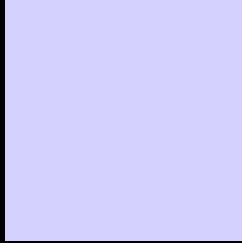
Large Text (above 18pt) WCAG AA × Fail

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 68.1304, 66.9028, 103.0886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

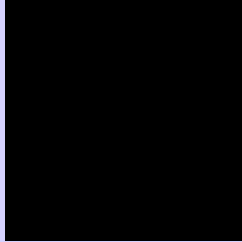
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1304, 66.9028, 103.0886

Background



This preview shows how black text looks on a background with the XYZ color 68.1304, 66.9028, 103.0886.

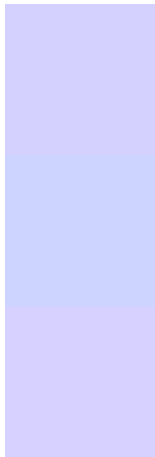


This preview shows how white text looks on a background with the XYZ color 68.1304, 66.9028,

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

68.1304, 66.9028, 103.0886

Protanopia

66.4953, 67.1443, 104.0632

Deuteranopia

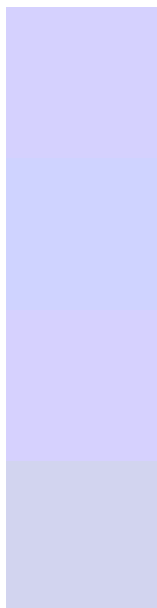
68.4214, 67.0528, 103.1022



Tritanopia

64.3717, 66.8570, 84.3748

Trichromacy



Original Color

68.1304, 66.9028, 103.0886

Protanomaly

67.0764, 67.0739, 104.0190

Deuteranomaly

68.4214, 67.0528, 103.1022

Tritanomaly

65.7018, 67.0206, 91.1348

Monochromacy



Original Color

68.1304, 66.9028, 103.0886

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.6687, 67.5418, 83.7045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1304, 66.9028, 103.0886 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(213, 209, 254)` looks like.

```
.text, #text, p{  
    color:rgb(213, 209, 254)  
}
```

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(213, 209, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 209, 254) }
```

Border

The CSS property to change the border of an element to XYZ 68.1304, 66.9028, 103.0886 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(213, 209, 254) }
```


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

```
.border{ border-color:rgb(213, 209, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 209, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 209, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 209, 254);  
box-shadow:4px 4px 4px 4px rgb(213, 209,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1304, 66.9028, 103.0886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 209, 254) }
```

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

```
.background{ background-color: rgb(213,  
209, 254) }
```

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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