

Converting Colors

XYZ(68.1632, 69.7581,
100.6759)

Have a look what the booklet for
XYZ(68.1632, 69.7581, 100.6759)
contains.

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Color

**XYZ(68.1057, 69.5692,
100.2811)**

Conversions

Conversions Part 1

Format	Color
Hex	D1D8FA
RGB	209, 216, 250
RGB Percent	82%, 85%, 98%
CMY	0.1804, 0.1529, 0.0196
CMYK	0.16, 0.14, 0.00, 0.02
HSL	230°, 80%, 90%
HSV	230°, 16%, 98%
XYZ	68.1057, 69.5692, 100.2811
YIQ	217.7830, -15.0860, 9.0900

Conversions

Conversions Part 2

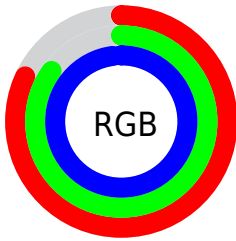
Format	Color
R _Y B	209, 215, 250
Decimal	13752570
CIE Lab	86.79, 4.38, -17.37
CIE LCh	87, 17.917, 284.162
Yxy	69.5692, 0.2862, 0.2924
Android (android.graphics.Color)	4291942650 (0xFFD1D8FA)
YUV	217.7830, 15.8830, -7.7027
Hunter-Lab	83.4082, -0.2127, -12.8983

Details

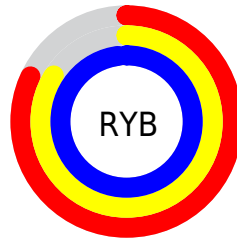
The XYZ color **68.1057, 69.5692, 100.2811** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.9841, 89.0284, 73.1337**, and the grayscale version is **66.3944, 69.8521, 76.0689**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6969, 36.2100, 55.5599** is the 20% darker color. If you saturate the color by 10%, you get **56.5999, 56.2462, 98.3170**, and if you desaturate by 10%, it is **81.3956, 84.8102, 102.5236**.

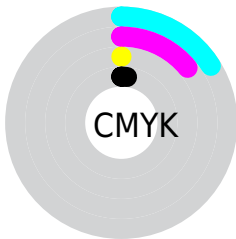
Distribution



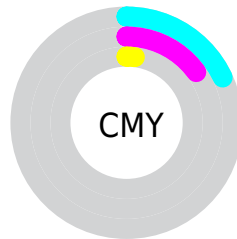
- Red (82%)
- Green (85%)
- Blue (98%)



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



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



- Cyan (18%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1057, 69.5692, 100.2811 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 68.1057, 69.5692, 100.2811 by changing the saturation by 10% instead.

■ 68.1057, 69.5692,
100.2811

■ 68.1057, 69.5692,
100.2811

443.2413,
459.0359, 582.3479

■ 50.2577, 51.1754,
75.9171

115.5444,
118.5942, 163.5987

■ 35.8369, 36.3482,
55.8583

145.8659,
149.9942, 203.3893

■ 24.4777, 24.7033,
39.6861

181.0759,
186.4984, 249.1593

■ 15.8150, 15.8561,
26.9820

221.5397,
228.4911, 301.3272

■ 9.4834, 9.4224,
17.3274

267.6229,
276.3569, 360.3114

■ 5.1174, 5.0177,
10.3037

319.6906,

■ 2.3518, 2.2577,

330.4800, 426.5306

5.4926

378.1083,
391.2449, 500.4032

■ 0.8210, 0.7512,
2.4753

■ 0.0000, 0.0000,
0.8270

■ 68.1057, 69.5692,
100.2811

■ 68.1057, 69.5692,
100.2811

■ 56.5999, 56.2462,
98.3170

■ 81.3956, 84.8102,
102.5236

■ 46.7954, 44.7562,
96.6160

■ 94.2555, 99.6822,
104.7164

■ 38.6123, 35.0205,
95.1681

■ 31.9614, 26.9515,
93.9612

■ 26.7451, 20.4536,
92.9819

■ 22.8538, 15.4212,
92.2156

■ 20.1617, 11.7352,
91.6460

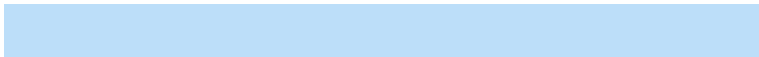
■ 18.5158, 9.2554,
91.2542

■ 18.1085, 8.6081,
91.1507

Harmonies

Analogous

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



63.9581, 69.5692, 100.0716



68.1057, 69.5692, 100.2811



71.8714, 69.5692, 93.4551

Triad

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



68.1057, 69.5692, 100.2811



72.0470, 69.5692, 60.8434



58.7021, 69.5692, 69.6501

Complementary

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



68.1057, 69.5692, 100.2811



82.9841, 89.0284, 73.1337

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.



60.6904, 69.5692, 60.4338



68.1057, 69.5692, 100.2811



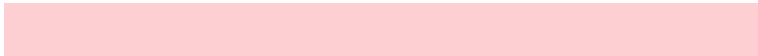
68.3371, 69.5692, 55.7262

Square

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



68.1057, 69.5692, 100.2811



74.2109, 69.5692, 70.2657



64.1800, 69.5692, 55.5846



58.6460, 69.5692, 81.5105

Rectangle

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



68.1057, 69.5692, 100.2811



73.6097, 69.5692, 86.2099



64.1800, 69.5692, 55.5846



59.1628, 69.5692, 66.1706

Sweetspot

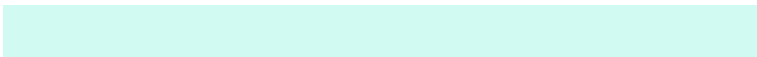
The Sweet Spot groups the original color and five complimentary colors.



68.1078, 69.5721, 100.2827



87.2333, 91.1005, 107.5942



76.5812, 88.3677, 97.4071



18.4448, 19.2406, 22.9916



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.



68.1078, 69.5721, 100.2827



66.6733, 67.5003, 104.1225



70.1764, 68.0317, 99.8763



16.5226, 17.1220, 21.8193



9.6755, 4.7065, 48.3720



0.9612, 0.5661, 4.5018

Inverse Universe

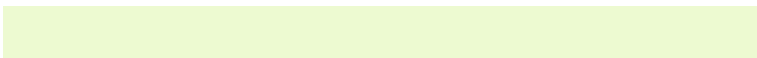
The Inverse Universe completely reimagines the original color for something new.



74.6212, 70.8845, 74.7181



74.8064, 69.2351, 72.1792



80.6261, 90.9833, 73.6353



17.3656, 17.2736, 18.5148



21.1757, 10.8860, 2.3680



1.9941, 1.0214, 0.3923

Previews

White Background



This preview shows how the XYZ color 68.1057, 69.5692, 100.2811 looks on a white background.

Color Contrast Check

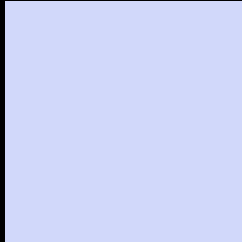
Large Text (above 18pt) WCAG AA × Fail

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 68.1057, 69.5692, 100.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

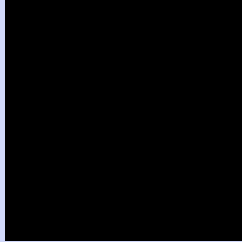
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1057, 69.5692, 100.2811

Background



This preview shows how black text looks on a background with the XYZ color 68.1057, 69.5692, 100.2811.



This preview shows how white text looks on a background with the XYZ color 68.1057, 69.5692,

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

68.1057, 69.5692, 100.2811

Protanopia

68.4197, 69.3519, 100.2226

Deuteranopia

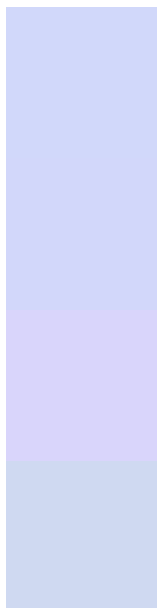
71.0803, 69.5816, 100.9510



Tritanopia

65.6653, 69.3207, 89.2762

Trichromacy



Original Color

68.1057, 69.5692, 100.2811

Protanomaly

68.1341, 69.2046, 100.2093

Deuteranomaly

69.8221, 69.3052, 100.9640

Tritanomaly

66.4222, 69.2420, 93.0833

Monochromacy



Original Color

68.1057, 69.5692, 100.2811

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.1201, 69.7860, 84.7953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1057, 69.5692, 100.2811 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(209, 216, 250)` looks like.

```
.text, #text, p{  
    color:rgb(209, 216, 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(209, 216, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 216, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.1057, 69.5692, 100.2811 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(209, 216, 250) }
```


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

```
.border{ border-color:rgb(209, 216, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 216, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 216, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 216, 250);  
box-shadow:4px 4px 4px 4px rgb(209, 216,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1057, 69.5692, 100.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 216, 250) }
```

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

```
.background{ background-color: rgb(209,  
216, 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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