

Converting Colors

XYZ(68.2778, 71.1606,
100.5806)

Have a look what the booklet for
XYZ(68.2778, 71.1606, 100.5806)
contains.

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Color

**XYZ(68.3021, 71.2103,
100.5875)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDCFA
RGB	206, 220, 250
RGB Percent	81%, 86%, 98%
CMY	0.1921, 0.1372, 0.0196
CMYK	0.18, 0.12, 0.00, 0.02
HSL	221°, 81%, 89%
HSV	221°, 18%, 98%
XYZ	68.3021, 71.2103, 100.5875
YIQ	219.2340, -17.9740, 6.3620

Conversions

Conversions Part 2

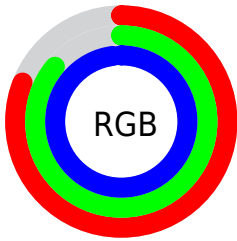
Format	Color
R _Y B	206, 217, 250
Decimal	13556986
CIE Lab	87.59, 1.36, -16.19
CIE LCh	88, 16.244, 274.791
Yxy	71.2103, 0.2845, 0.2966
Android (android.graphics.Color)	4291747066 (0xFFCEDCFA)
YUV	219.2340, 15.1676, -11.6062
Hunter-Lab	84.3862, -3.1981, -11.6027

Details

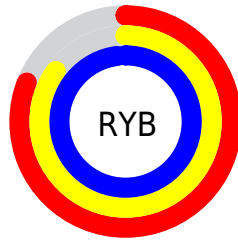
The XYZ color **68.3021, 71.2103, 100.5875** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.5610, 84.7711, 70.5106**, and the grayscale version is **67.4030, 70.9132, 77.2245**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8433, 37.3398, 55.7702** is the 20% darker color. If you saturate the color by 10%, you get **57.6588, 59.4195, 98.8738**, and if you desaturate by 10%, it is **80.5097, 84.4882, 102.5081**.

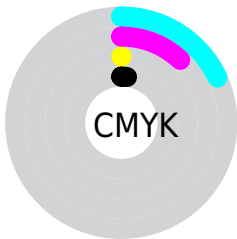
Distribution



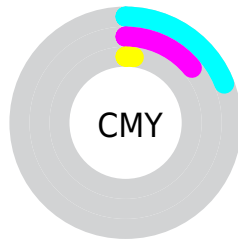
- Red (81%)
- Green (86%)
- Blue (98%)



- Red (81%)
- Yellow (85%)
- Blue (98%)



- Cyan (18%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (19%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3021, 71.2103, 100.5875 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 68.3021, 71.2103, 100.5875 by changing the saturation by 10% instead.

■ 68.3021, 71.2103,
100.5875

■ 68.3021, 71.2103,
100.5875

443.9256,
464.7883, 583.3374

■ 50.4181, 52.5138,
76.1717

115.8238,
120.9331, 164.0232

■ 35.9649, 37.4148,
56.0658

146.1921,
152.7283, 203.8802

■ 24.5771, 25.5288,
39.8513

181.4527,
189.6584, 249.7213

■ 15.8893, 16.4715,
27.1097

221.9708,
232.1080, 301.9650

■ 9.5362, 9.8584,
17.4225

268.1118,
280.4614, 361.0299

■ 5.1524, 5.3052,
10.3710

320.2410,

■ 2.3727, 2.4274,

335.1029, 427.3346

5.5368

378.7238,
396.4171, 501.2976

■ 0.8315, 0.8399,
2.5014

■ 0.0000, 0.0000,
0.8409

■ 68.3021, 71.2103,
100.5875

■ 68.3021, 71.2103,
100.5875

■ 57.6588, 59.4195,
98.8738

■ 80.5097, 84.4882,
102.5081

■ 48.5076, 49.0529,
97.3551

■ 93.9668, 99.1048,
104.6202

■ 40.7801, 40.0561,
96.0258

■ 94.2555, 99.6822,
104.7164

■ 34.4000, 32.3672,
94.8780

■ 29.2829, 25.9193,
93.9032

■ 25.3343, 20.6387,
93.0920

■ 22.4448, 16.4419,
92.4342

■ 20.4740, 13.2276,
91.9177

■ 20.0921, 12.5753,
91.8119

Harmonies

Analogous

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



64.5853, 71.2103, 98.2962



68.3021, 71.2103, 100.5875



71.9865, 71.2103, 96.2410

Triad

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



68.3021, 71.2103, 100.5875



73.9331, 71.2103, 66.0799



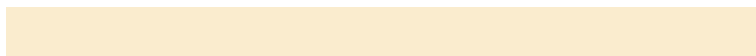
61.2171, 71.2103, 68.8693

Complementary

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



68.3021, 71.2103, 100.5875



80.5610, 84.7711, 70.5106

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.



63.5551, 71.2103, 61.4265



68.3021, 71.2103, 100.5875



70.8787, 71.2103, 59.9261

Square

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



68.3021, 71.2103, 100.5875



75.3149, 71.2103, 75.7823



67.0682, 71.2103, 58.3061



60.5854, 71.2103, 79.3163

Rectangle

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



68.3021, 71.2103, 100.5875



73.9003, 71.2103, 90.3851



67.0682, 71.2103, 58.3061



61.8250, 71.2103, 65.9661

Sweetspot

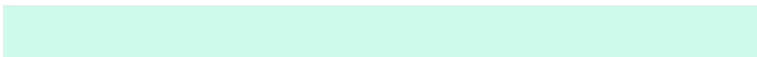
The Sweet Spot groups the original color and five complimentary colors.



68.3043, 71.2132, 100.5891



87.8032, 92.2403, 107.7842



74.6842, 87.5118, 91.8065



18.5829, 19.5168, 23.0376



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.



68.3043, 71.2132, 100.5891



67.4576, 70.0981, 104.5826



66.8655, 65.2425, 99.5125



16.7338, 17.5445, 21.8898



10.7713, 6.8982, 48.7373



1.0887, 0.8211, 4.5443

Inverse Universe

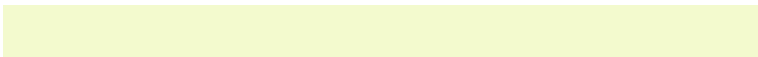
The Inverse Universe completely reimagines the original color for something new.



74.4156, 69.6356, 77.2323



74.9510, 68.3311, 75.9064



82.1747, 91.8241, 71.7869



17.4722, 17.3162, 19.0763



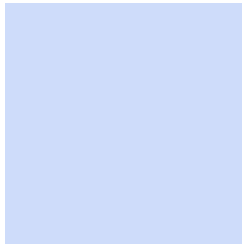
21.7289, 11.1073, 5.2808



2.0585, 1.0471, 0.7312

Previews

White Background



This preview shows how the XYZ color 68.3021, 71.2103, 100.5875 looks on a white background.

Color Contrast Check

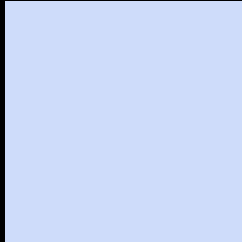
Large Text (above 18pt) WCAG AA × Fail

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 68.3021, 71.2103, 100.5875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

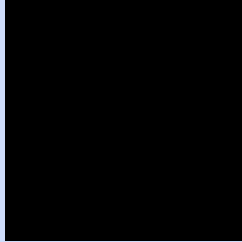
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3021, 71.2103, 100.5875

Background



This preview shows how black text looks on a background with the XYZ color 68.3021, 71.2103, 100.5875.



This preview shows how white text looks on a background with the XYZ color 68.3021, 71.2103,

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

68.3021, 71.2103, 100.5875

Protanopia

69.7462, 71.2163, 98.8770

Deuteranopia

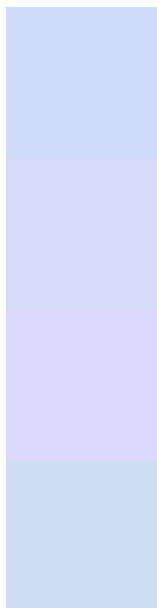
72.5105, 71.0657, 101.1621



Tritanopia

66.6031, 71.3119, 91.9156

Trichromacy



Original Color

68.3021, 71.2103, 100.5875

Protanomaly

69.2944, 71.3515, 99.7425

Deuteranomaly

70.8819, 70.9822, 101.2318

Tritanomaly

67.2110, 71.1631, 94.9875

Monochromacy



Original Color

68.3021, 71.2103, 100.5875

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.3460, 70.6723, 84.9545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3021, 71.2103, 100.5875 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(206, 220, 250)` looks like.

```
.text, #text, p{  
    color:rgb(206, 220, 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(206, 220, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 250) }
```

Border

The CSS property to change the border of an element to XYZ 68.3021, 71.2103, 100.5875 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(206, 220, 250) }
```


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

```
.border{ border-color:rgb(206, 220, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 220, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 220, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 220, 250);  
box-shadow:4px 4px 4px 4px rgb(206, 220,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3021, 71.2103, 100.5875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 220, 250) }
```

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

```
.background{ background-color: rgb(206,  
220, 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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