

Converting Colors

XYZ(68.2548, 71.1818,
101.4657)

Have a look what the booklet for
XYZ(68.2548, 71.1818, 101.4657)
contains.

XYZ(68.1826, 71.1306, 101.4028)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.1826, 71.1306,
101.4028)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDCFB
RGB	205, 220, 251
RGB Percent	80%, 86%, 98%
CMY	0.1961, 0.1372, 0.0157
CMYK	0.18, 0.12, 0.00, 0.02
HSL	220°, 85%, 89%
HSV	220°, 18%, 98%
XYZ	68.1826, 71.1306, 101.4028
YIQ	219.0490, -18.8910, 6.4610

Conversions

Conversions Part 2

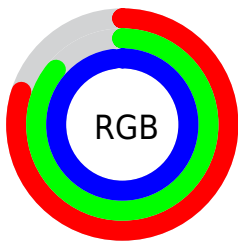
Format	Color
R_{YB}	205, 216, 251
Decimal	13491451
CIE _{Lab}	87.55, 1.26, -16.78
CIE _{LCh}	88, 16.827, 274.301
Yxy	71.1306, 0.2832, 0.2955
Android (android.graphics.Color)	4291681531 (0xFFCDDCFB)
YUV	219.0490, 15.7518, -12.3210
Hunter-Lab	84.3390, -3.2875, -12.2486

Details

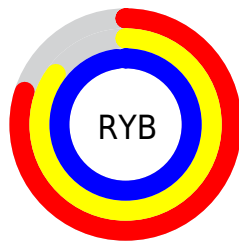
The XYZ color **68.1826, 71.1306, 101.4028** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.7991, 84.9077, 69.8894**, and the grayscale version is **67.2713, 70.7746, 77.0736**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7704, 37.2893, 56.3512** is the 20% darker color. If you saturate the color by 10%, you get **57.5899, 59.4116, 99.7002**, and if you desaturate by 10%, it is **80.3395, 84.3263, 103.3103**.

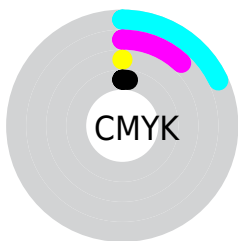
Distribution



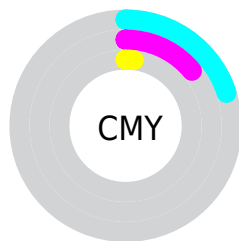
- Red (80%)
- Green (86%)
- Blue (98%)



- Red (80%)
- Yellow (85%)
- Blue (98%)



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



- Cyan (20%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1826, 71.1306, 101.4028 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 68.1826, 71.1306, 101.4028 by changing the saturation by 10% instead.

■ 68.1826, 71.1306,
101.4028

■ 68.1826, 71.1306,
101.4028

443.5093,
464.5099, 585.9659

■ 50.3205, 52.4488,
76.8492

115.6538,
120.8197, 165.1523

■ 35.8870, 37.3629,
56.6183

145.9936,
152.5957, 205.1852

■ 24.5166, 25.4886,
40.2915

181.2234,
189.5053, 251.2150

■ 15.8441, 16.4415,
27.4504

221.7085,
231.9328, 303.6602

■ 9.5040, 9.8371,
17.6764

267.8143,
280.2626, 362.9394

■ 5.1311, 5.2911,
10.5509

319.9062,

■ 2.3599, 2.4190,

334.8791, 429.4710

5.6553

378.3494,
396.1667, 503.6737

■ 0.8251, 0.8357,
2.5713

■ 0.0000, 0.0000,
0.8776

■ 68.1826, 71.1306,
101.4028

■ 68.1826, 71.1306,
101.4028

■ 57.5899, 59.4116,
99.7002

■ 80.3395, 84.3263,
103.3103

■ 48.4887, 49.1066,
98.1909

■ 94.0415, 99.0024,
105.4208

■ 40.8101, 40.1614,
96.8690

■ 94.4128, 99.7451,
105.5446

■ 34.4769, 32.5144,
95.7268

■ 29.4040, 26.0988,
94.7558

■ 25.4958, 20.8407,
93.9469

■ 22.6410, 16.6566,
93.2897

■ 20.6899, 13.4412,
92.7719

■ 20.4198, 12.9791,
92.6970

Harmonies

Analogous

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



64.3456, 71.1306, 98.9050



68.1826, 71.1306, 101.4028



72.0088, 71.1306, 96.9844

Triad

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



68.1826, 71.1306, 101.4028



74.1228, 71.1306, 65.7521



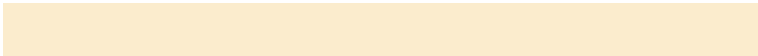
60.9489, 71.1306, 68.3358

Complementary

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



68.1826, 71.1306, 101.4028



80.7991, 84.9077, 69.8894

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.



63.3893, 71.1306, 60.7308



68.1826, 71.1306, 101.4028



70.9778, 71.1306, 59.3449

Square

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



68.1826, 71.1306, 101.4028



75.5226, 71.1306, 75.8183



67.0356, 71.1306, 57.6001



60.2657, 71.1306, 79.1032

Rectangle

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



68.1826, 71.1306, 101.4028



74.0092, 71.1306, 90.9432



67.0356, 71.1306, 57.6001



61.5861, 71.1306, 65.3606

Sweetspot

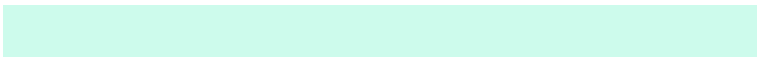
The Sweet Spot groups the original color and five complimentary colors.



68.1848, 71.1335, 101.4044



87.8339, 92.3018, 107.7944



74.7673, 88.0116, 92.1518



18.5904, 19.5317, 23.0401



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.



68.1848, 71.1335, 101.4044



66.4403, 69.0757, 104.4389



66.5893, 64.7256, 100.2516



16.7453, 17.5674, 21.8936



10.8507, 7.0570, 48.7638



1.0972, 0.8380, 4.5471

Inverse Universe

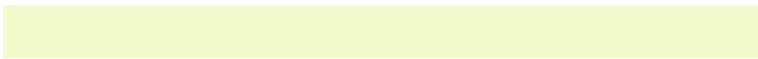
The Inverse Universe completely reimagines the original color for something new.



74.5350, 69.3408, 77.1692



74.1904, 67.0808, 74.8176



82.5952, 92.5175, 71.2635



17.4780, 17.3185, 19.1068



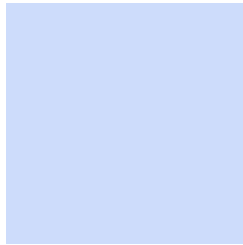
21.7690, 11.1233, 5.4917



2.0627, 1.0488, 0.7537

Previews

White Background



This preview shows how the XYZ color 68.1826, 71.1306, 101.4028 looks on a white background.

Color Contrast Check

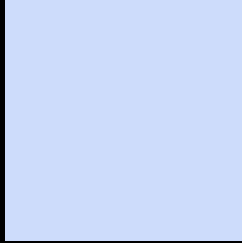
Large Text (above 18pt) WCAG AA × Fail

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 68.1826, 71.1306, 101.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

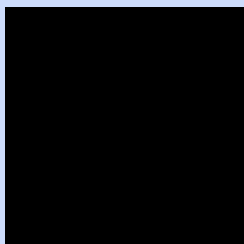
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1826, 71.1306, 101.4028

Background



This preview shows how black text looks on a background with the XYZ color 68.1826, 71.1306, 101.4028.



This preview shows how white text looks on a background with the XYZ color 68.1826, 71.1306,

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

68.1826, 71.1306, 101.4028

Protanopia

69.9018, 71.2785, 99.6964

Deuteranopia

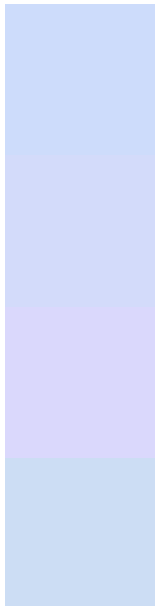
72.6686, 71.1290, 101.9947



Tritanopia

66.4781, 71.2303, 92.6831

Trichromacy



Original Color

68.1826, 71.1306, 101.4028

Protanomaly

69.4508, 71.4140, 100.5663

Deuteranomaly

71.0400, 71.0454, 102.0644

Tritanomaly

67.0874, 71.0819, 95.7722

Monochromacy



Original Color

68.1826, 71.1306, 101.4028

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4869, 70.7287, 85.6964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1826, 71.1306, 101.4028 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(205, 220, 251)` looks like.

```
.text, #text, p{  
    color:rgb(205, 220, 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(205, 220, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 220, 251) }
```

Border

The CSS property to change the border of an element to XYZ 68.1826, 71.1306, 101.4028 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(205, 220, 251) }
```


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

```
.border{ border-color:rgb(205, 220, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 220, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 220, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 220, 251);  
box-shadow:4px 4px 4px 4px rgb(205, 220,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1826, 71.1306, 101.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 220, 251) }
```

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

```
.background{ background-color: rgb(205,  
220, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor