

Converting Colors

XYZ(71.3690, 77.4835,
102.6822)

Have a look what the booklet for
XYZ(71.3690, 77.4835, 102.6822)
contains.

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Color

**XYZ(71.4460, 77.6574,
102.4906)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE8FB
RGB	205, 232, 251
RGB Percent	80%, 91%, 98%
CMY	0.1961, 0.0902, 0.0157
CMYK	0.18, 0.08, 0.00, 0.02
HSL	205°, 85%, 89%
HSV	205°, 18%, 98%
XYZ	71.4460, 77.6574, 102.4906
YIQ	226.0930, -22.1910, 0.1850

Conversions

Conversions Part 2

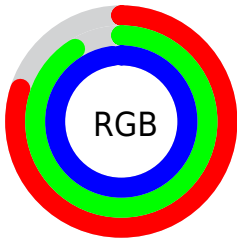
Format	Color
R _Y B	205, 222, 251
Decimal	13494523
CIE Lab	90.62, -4.96, -12.17
CIE LCh	91, 13.146, 247.824
Yxy	77.6574, 0.2840, 0.3087
Android (android.graphics.Color)	4291684603 (0xFFCDE8FB)
YUV	226.0930, 12.2792, -18.4986
Hunter-Lab	88.1234, -9.4973, -7.2699

Details

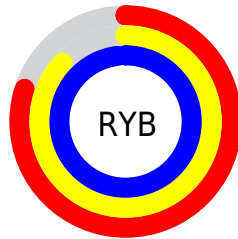
The XYZ color **71.4460, 77.6574, 102.4906** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4594, 78.2282, 68.7761**, and the grayscale version is **72.2834, 76.0477, 82.8160**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8406, 41.4297, 57.0413** is the 20% darker color. If you saturate the color by 10%, you get **62.2380, 68.7077, 101.2497**, and if you desaturate by 10%, it is **81.9415, 87.5303, 103.8443**.

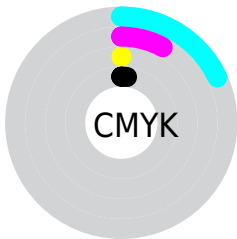
Distribution



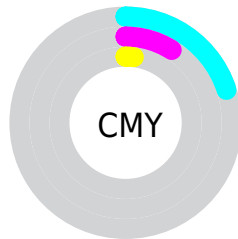
- Red (80%)
- Green (91%)
- Blue (98%)



- Red (80%)
- Yellow (87%)
- Blue (98%)



- Cyan (18%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4460, 77.6574, 102.4906 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 71.4460, 77.6574, 102.4906 by changing the saturation by 10% instead.

■ 71.4460, 77.6574,
102.4906

■ 71.4460, 77.6574,
102.4906

454.7986,
487.0025, 589.4633

■ 52.9901, 57.7926,
77.7537

120.2836,
130.0671, 166.6573

■ 38.0223, 41.6419,
57.3564

151.3961,
163.3807, 206.9242

■ 26.1773, 28.8210,
40.8802

187.4580,
201.9460, 253.2048

■ 17.0897, 18.9455,
27.9065

228.8349,
246.1475, 305.9178

■ 10.3942, 11.6309,
18.0168

275.8921,
296.3695, 365.4816

■ 5.7253, 6.4929,
10.7925

328.9948,

■ 2.7179, 3.1470,

352.9964, 432.3147

5.8150

388.5086,
416.4126, 506.8358

■ 1.0064, 1.2090,
2.6660

■ 0.0000, 0.0690,
0.9262

■ 71.4460, 77.6574,
102.4906

■ 71.4460, 77.6574,
102.4906

■ 62.2380, 68.7077,
101.2497

■ 81.9415, 87.5303,
103.8443

■ 54.2547, 60.6386,
100.1130

■ 93.6950, 98.3095,
105.3055

■ 47.4382, 53.4176,
99.0784

■ 94.4128, 99.7451,
105.5447

■ 41.7228, 47.0063,
98.1422

■ 37.0359, 41.3625,
97.2999

■ 33.2949, 36.4388,
96.5467

■ 30.4027, 32.1801,
95.8771

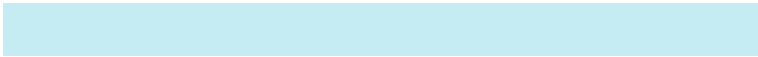
■ 28.2253, 28.5119,
95.2838

■ 27.9000, 27.9395,
95.1905

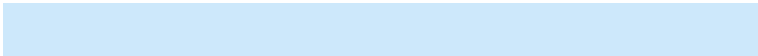
Harmonies

Analogous

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



68.9201, 77.6574, 96.1747



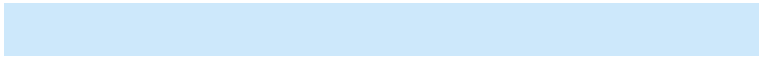
71.4460, 77.6574, 102.4906



74.6766, 77.6574, 103.8298

Triad

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



71.4460, 77.6574, 102.4906



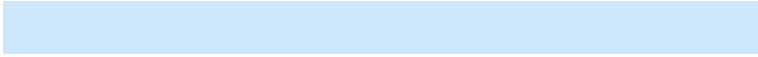
80.2655, 77.6574, 82.1103



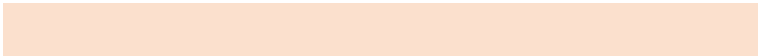
69.9946, 77.6574, 71.0212

Complementary

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



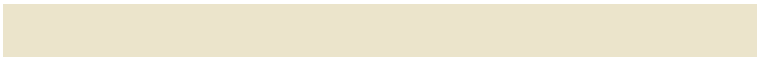
71.4460, 77.6574, 102.4906



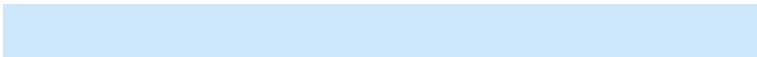
77.4594, 78.2282, 68.7761

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.



72.9521, 77.6574, 67.8279



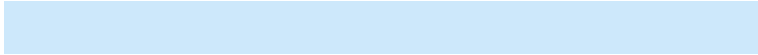
71.4460, 77.6574, 102.4906



78.9281, 77.6574, 73.9124

Square

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



71.4460, 77.6574, 102.4906



79.8331, 77.6574, 91.5891



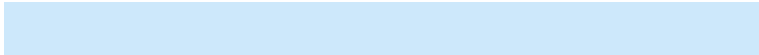
76.2277, 77.6574, 68.8456



68.0997, 77.6574, 77.8919

Rectangle

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



71.4460, 77.6574, 102.4906



76.8071, 77.6574, 101.6342



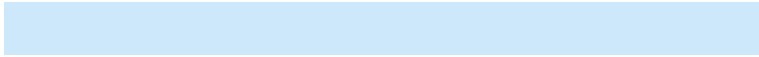
76.2277, 77.6574, 68.8456



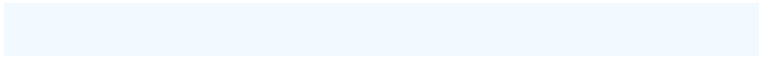
70.8939, 77.6574, 69.5063

Sweetspot

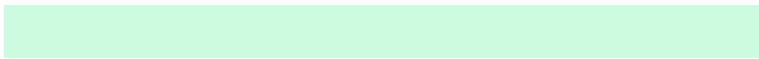
The Sweet Spot groups the original color and five complimentary colors.



71.4483, 77.6606, 102.4923



88.8570, 94.3479, 108.1354



73.0487, 87.3242, 83.1018



18.8388, 20.0286, 23.1229



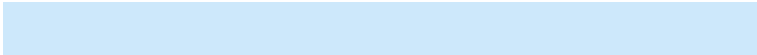
0.0000, 0.0000, 0.0000



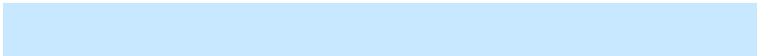
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4483, 77.6606, 102.4923



70.3860, 76.9671, 105.7541



65.5388, 65.8416, 100.5225



17.1298, 18.3365, 22.0218



14.8123, 14.9801, 50.0843



1.4763, 1.5963, 4.6735

Inverse Universe

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



76.1823, 69.9998, 85.8436



76.1820, 67.8775, 85.3053



83.8820, 91.0736, 70.9170



17.6721, 17.3962, 20.1289



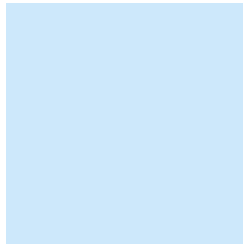
23.7686, 11.9231, 16.0216



2.2541, 1.1254, 1.7615

Previews

White Background



This preview shows how the XYZ color 71.4460, 77.6574, 102.4906 looks on a white background.

Color Contrast Check

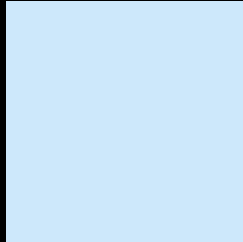
Large Text (above 18pt) WCAG AA × Fail

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 71.4460, 77.6574, 102.4906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

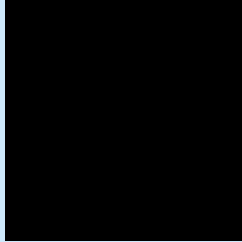
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

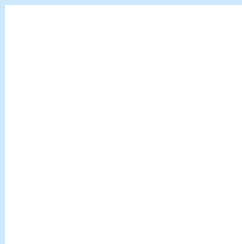
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4460, 77.6574, 102.4906

Background



This preview shows how black text looks on a background with the XYZ color 71.4460, 77.6574, 102.4906.



This preview shows how white text looks on a background with the XYZ color 71.4460, 77.6574,

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

71.4460, 77.6574, 102.4906

Protanopia

75.3489, 77.2769, 98.9403

Deuteranopia

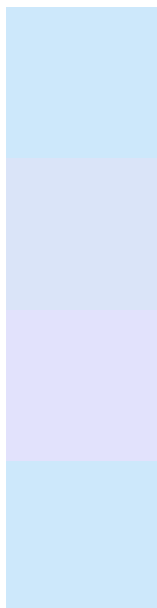
79.1108, 77.5115, 103.7201



Tritanopia

71.4460, 77.6574, 102.4906

Trichromacy



Original Color

71.4460, 77.6574, 102.4906

Protanomaly

73.6001, 77.1695, 99.8230

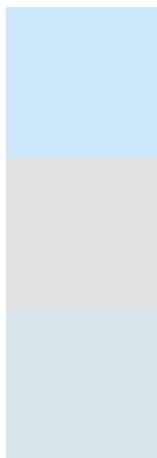
Deuteranomaly

76.1311, 77.5897, 103.0592

Tritanomaly

71.4460, 77.6574, 102.4906

Monochromacy



Original Color

71.4460, 77.6574, 102.4906

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6522, 76.3904, 89.5656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4460, 77.6574, 102.4906 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, 232, 251)` looks like.

```
.text, #text, p{  
    color:rgb(205, 232, 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, 232, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 232, 251) }
```

Border

The CSS property to change the border of an element to XYZ 71.4460, 77.6574, 102.4906 is called "border". The border property can be set on classes, ids or directly on the HTML element.

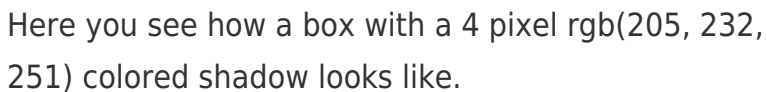
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 232, 251) }
```


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

```
.border{ border-color:rgb(205, 232, 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, 232, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 232, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 232, 251);  
box-shadow:4px 4px 4px 4px rgb(205, 232,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4460, 77.6574, 102.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 232, 251) }
```

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

```
.background{ background-color: rgb(205,  
232, 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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