

Converting Colors

XYZ(77.6394, 81.5124,
137.1438)

Have a look what the booklet for
XYZ(77.6394, 81.5124, 137.1438)
contains.

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Color

**XYZ(71.5777, 78.9160,
106.0675)**

Conversions

Conversions Part 1

Format	Color
Hex	C8EBFF
RGB	200, 235, 255
RGB Percent	78%, 92%, 100%
CMY	0.2157, 0.0784, 0.0000
CMYK	0.22, 0.08, 0.00, 0.00
HSL	202°, 100%, 89%
HSV	202°, 22%, 100%
XYZ	71.5777, 78.9160, 106.0675
YIQ	226.8150, -27.2800, -1.2000

Conversions

Conversions Part 2

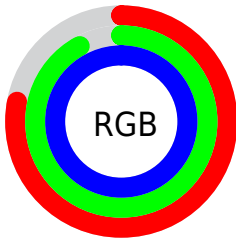
Format	Color
R_{YB}	200, 221, 255
Decimal	13167615
CIE _{Lab}	91.20, -7.15, -13.44
CIE _{LCh}	91, 15.225, 241.979
Yxy	78.9160, 0.2790, 0.3076
Android (android.graphics.Color)	4291357695 (0xFFC8EBFF)
YUV	226.8150, 13.8952, -23.5168
Hunter-Lab	88.8347, -11.6360, -8.6072

Details

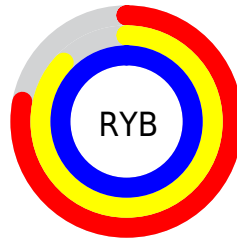
The XYZ color **71.5777, 78.9160, 106.0675** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.2583, 76.6155, 65.3615**, and the grayscale version is **72.7975, 76.5886, 83.4050**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9902, 42.3372, 59.5957** is the 20% darker color. If you saturate the color by 10%, you get **62.7418, 70.5246, 104.9135**, and if you desaturate by 10%, it is **81.6920, 88.1759, 107.3218**.

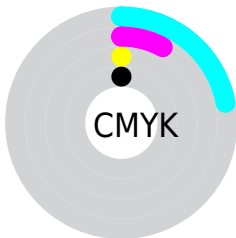
Distribution



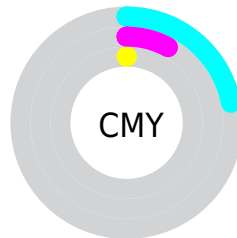
- Red (78%)
- Green (92%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5777, 78.9160, 106.0675 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 71.5777, 78.9160, 106.0675 by changing the saturation by 10% instead.

■ 71.5777, 78.9160,
106.0675

■ 71.5777, 78.9160,
106.0675

455.2509,
491.2721, 600.8874

■ 53.0980, 58.8267,
80.7323

120.4700,
131.8406, 171.5950

■ 38.1088, 42.4737,
59.7915

151.6133,
165.4447, 212.6243

■ 26.2447, 29.4724,
42.8264

187.7085,
204.3226, 259.7222

■ 17.1405, 19.4384,
29.4185

229.1210,
248.8587, 313.3070

■ 10.4306, 11.9875,
19.1493

276.2162,
299.4372, 373.7974

■ 5.7498, 6.7352,
11.6003

329.3593,

■ 2.7328, 3.2970,

356.4427, 441.6119

6.3529

388.9157,
420.2596, 517.1691

■ 1.0141, 1.2887,
2.9886

■ 0.0000, 0.1324,
1.0888

■ 71.5777, 78.9160,
106.0675

■ 71.5777, 78.9160,
106.0675

■ 62.7418, 70.5246,
104.9135

■ 81.6920, 88.1759,
107.3218

■ 55.1195, 62.9590,
103.8549

■ 93.1327, 98.3260,
108.6779

■ 48.6498, 56.1868,
102.8888

■ 95.0500, 100.0000,
108.9000

■ 43.2633, 50.1688,
102.0111

■ 38.8825, 44.8619,
101.2176

■ 35.4186, 40.2167,
100.5036

■ 32.7650, 36.1749,
99.8633

■ 31.0215, 33.1631,
99.3738

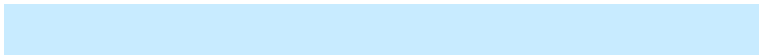
Harmonies

Analogous

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



68.8922, 78.9160, 97.6699



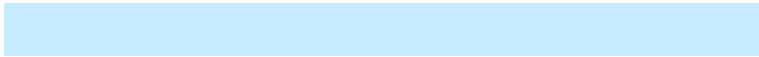
71.5777, 78.9160, 106.0675



75.2637, 78.9160, 108.9428

Triad

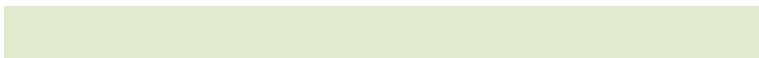
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5777, 78.9160, 106.0675



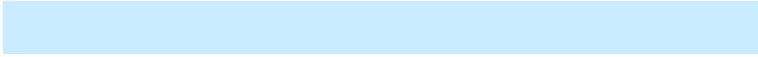
82.6640, 78.9160, 85.1948



71.1486, 78.9160, 69.1435

Complementary

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



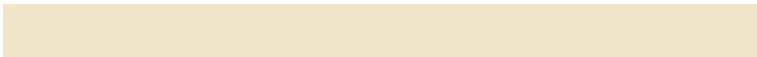
71.5777, 78.9160, 106.0675



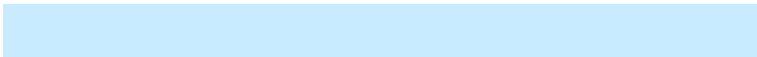
77.2583, 76.6155, 65.3615

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.



74.7515, 78.9160, 66.4035



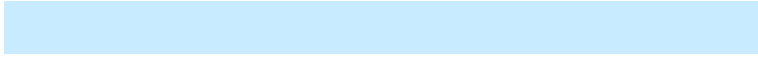
71.5777, 78.9160, 106.0675



81.4739, 78.9160, 75.1636

Square

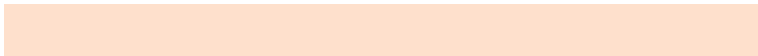
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



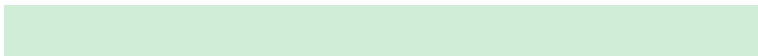
71.5777, 78.9160, 106.0675



81.7448, 78.9160, 96.2928



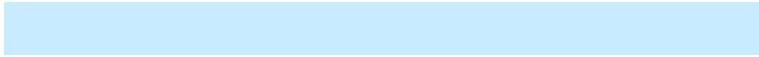
78.5447, 78.9160, 68.5110



68.6505, 78.9160, 76.3315

Rectangle

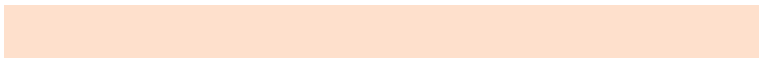
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5777, 78.9160, 106.0675



77.8167, 78.9160, 107.1596



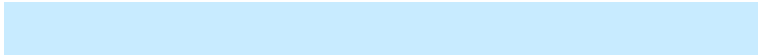
78.5447, 78.9160, 68.5110



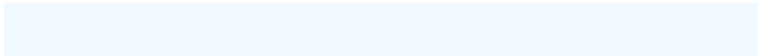
72.2664, 78.9160, 67.7009

Sweetspot

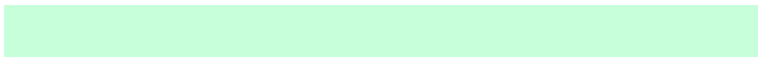
The Sweet Spot groups the original color and five complimentary colors.



71.5798, 78.9191, 106.0680



87.8945, 93.7149, 108.0640



72.3995, 88.9275, 80.5406



18.6527, 19.9167, 23.1111



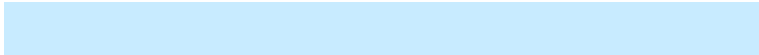
0.0000, 0.0000, 0.0000



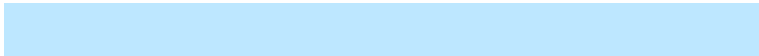
20.3446, 21.4041, 23.3091

Same Dimension

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



71.5798, 78.9191, 106.0680



67.5086, 75.0938, 105.5442



64.4876, 64.7346, 103.7039



17.9670, 19.3056, 23.0293



16.3564, 17.6225, 51.9740



1.6965, 1.9238, 5.0952

Inverse Universe

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



76.8910, 68.5682, 87.7833



73.7822, 63.2899, 83.8514



84.8501, 91.7992, 67.8921



18.4960, 18.1817, 21.2290



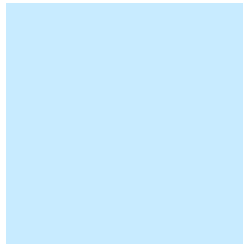
25.0442, 12.5070, 19.4149



2.4909, 1.2388, 2.1667

Previews

White Background



This preview shows how the XYZ color 71.5777, 78.9160, 106.0675 looks on a white background.

Color Contrast Check

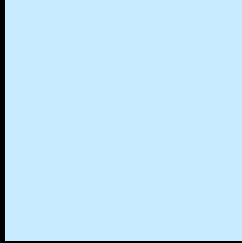
Large Text (above 18pt) WCAG AA × Fail

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 71.5777, 78.9160, 106.0675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

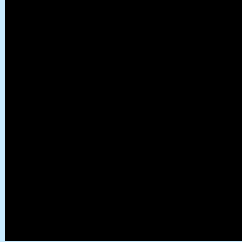
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.5777, 78.9160, 106.0675

Background



This preview shows how black text looks on a background with the XYZ color 71.5777, 78.9160, 106.0675.



This preview shows how white text looks on a background with the XYZ color 71.5777, 78.9160,

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

71.5777, 78.9160, 106.0675

Protanopia

76.6773, 78.7198, 101.5956

Deuteranopia

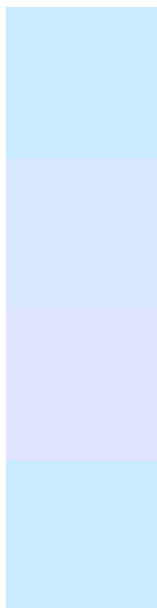
79.9655, 78.7085, 105.5854



Tritanopia

71.4171, 78.8518, 105.2218

Trichromacy



Original Color

71.5777, 78.9160, 106.0675

Protanomaly

74.7619, 78.9318, 103.3905

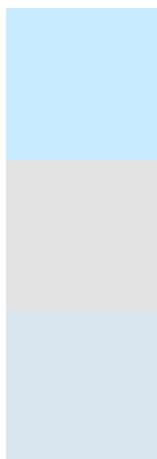
Deuteranomaly

76.5339, 78.5541, 105.7364

Tritanomaly

71.4171, 78.8518, 105.2218

Monochromacy



Original Color

71.5777, 78.9160, 106.0675

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.1981, 77.4598, 91.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5777, 78.9160, 106.0675 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(200, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 235, 255)  
}
```

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(200, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.5777, 78.9160, 106.0675 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(200, 235, 255) }
```


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

```
.border{ border-color:rgb(200, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5777, 78.9160, 106.0675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 235, 255) }
```

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

```
.background{ background-color: rgb(200,  
235, 255) }
```

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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