

Converting Colors

XYZ(70.0163, 83.7267,
107.0784)

Have a look what the booklet for
XYZ(70.0163, 83.7267, 107.0784)
contains.

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Color

**XYZ(70.2078, 83.9385,
107.1092)**

Conversions

Conversions Part 1

Format	Color
Hex	B3F8FF
RGB	179, 248, 255
RGB Percent	70%, 97%, 100%
CMY	0.2980, 0.0274, 0.0000
CMYK	0.30, 0.03, 0.00, 0.00
HSL	186°, 100%, 85%
HSV	186°, 30%, 100%
XYZ	70.2078, 83.9385, 107.1092
YIQ	228.1670, -43.3710, -12.4510

Conversions

Conversions Part 2

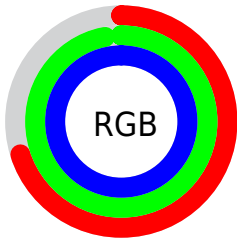
Format	Color
RYB	179, 215, 255
Decimal	11794687
CIELab	93.42, -19.67, -10.25
CIELCh	93, 22.183, 207.510
Yxy	83.9385, 0.2687, 0.3213
Android (android.graphics.Color)	4289984767 (0xFFB3F8FF)
YUV	228.1670, 13.2287, -43.1195
Hunter-Lab	91.6180, -23.5450, -5.1825

Details

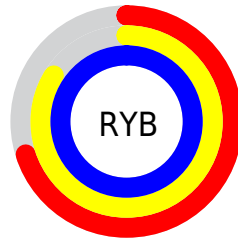
The XYZ color **70.2078, 83.9385, 107.1092** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9357, 59.6321, 50.6319**, and the grayscale version is **73.7958, 77.6390, 84.5488**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **37.1360, 45.6239, 60.2751** is the 20% darker color. If you saturate the color by 10%, you get **64.1337, 79.7447, 106.6198**, and if you desaturate by 10%, it is **77.3851, 88.7187, 107.6535**.

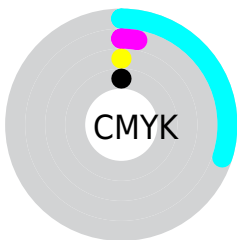
Distribution



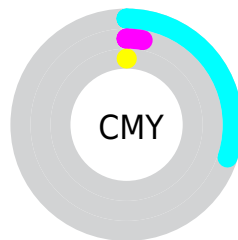
- Red (70%)
- Green (97%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2078, 83.9385, 107.1092 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 70.2078, 83.9385, 107.1092 by changing the saturation by 10% instead.

70.2078, 83.9385,
107.1092

70.2078, 83.9385,
107.1092

450.5343,
508.1090, 604.1931

51.9762, 62.9647,
81.6010

118.5297,
138.8891, 173.0298

37.2103, 45.8126,
60.5028

149.3507,
173.6347, 214.2793

25.5448, 32.0980,
43.3961

185.0988,
213.7397, 261.6130

16.6143, 21.4364,
29.8623

226.1395,
259.5884, 315.4494

10.0535, 13.4433,
19.4829

272.8380,
311.5654, 376.2071

5.4970, 7.7345,
11.8394

325.5597,

2.5794, 3.9256,

370.0548, 444.3046

6.5132

384.6701,
435.4412, 520.1604

■ 0.9355, 1.6320,
3.0858

■ 0.0000, 0.3790,
1.1386

■ 70.2078, 83.9385,
107.1092

■ 70.2078, 83.9385,
107.1092

■ 64.1337, 79.7447,
106.6198

■ 77.3851, 88.7187,
107.6535

■ 59.0961, 76.0964,
106.1811

■ 85.7146, 94.1043,
108.2540

■ 55.0310, 72.9629,
105.7906

95.0500, 100.0000,
108.9000

■ 51.8649, 70.3061,
105.4446

■ 49.5135, 68.0825,
105.1393

■ 47.8765, 66.2404,
104.8701

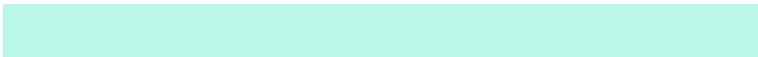
■ 46.7931, 64.6969,
104.6292

■ 46.7738, 64.6676,
104.6246

Harmonies

Analogous

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



69.0551, 83.9385, 90.0014



70.2078, 83.9385, 107.1092



73.8859, 83.9385, 121.3734

Triad

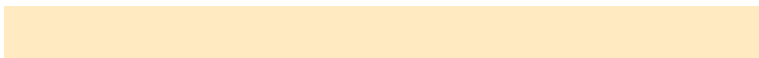
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2078, 83.9385, 107.1092



89.6575, 83.9385, 109.8283



80.2711, 83.9385, 62.8221

Complementary

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



70.2078, 83.9385, 107.1092



66.9357, 59.6321, 50.6319

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.



85.9816, 83.9385, 66.8099



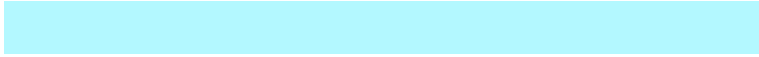
70.2078, 83.9385, 107.1092



91.5638, 83.9385, 92.8025

Square

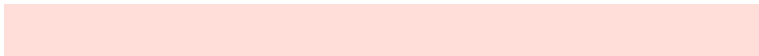
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2078, 83.9385, 107.1092



85.0943, 83.9385, 123.0734



90.1872, 83.9385, 77.2978



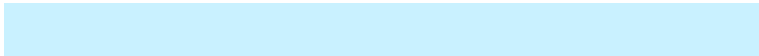
74.6936, 83.9385, 65.6798

Rectangle

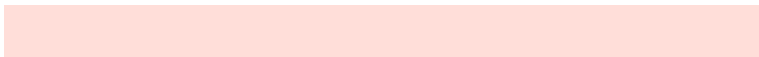
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2078, 83.9385, 107.1092



77.3712, 83.9385, 126.6217



90.1872, 83.9385, 77.2978



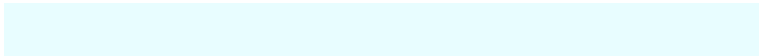
82.2403, 83.9385, 63.3944

Sweetspot

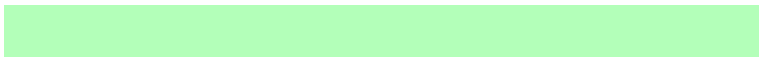
The Sweet Spot groups the original color and five complimentary colors.



70.2100, 83.9417, 107.1097



86.4347, 94.5637, 108.3048



63.1437, 84.6211, 59.0909



18.2224, 20.0629, 23.1621



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.



70.2100, 83.9417, 107.1097



66.3185, 81.2742, 106.7999



59.8532, 63.2282, 103.6574



18.4035, 20.1786, 23.1748



24.4992, 33.9080, 54.6882



2.4254, 3.3815, 5.3381

Inverse Universe

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



74.3048, 60.2792, 96.5294



71.0918, 54.2131, 94.3492



75.8542, 77.4692, 53.6047



18.7163, 18.2698, 22.3892



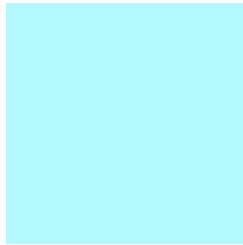
29.1543, 14.1510, 41.0583



2.8588, 1.3859, 4.1041

Previews

White Background



This preview shows how the XYZ color 70.2078, 83.9385, 107.1092 looks on a white background.

Color Contrast Check

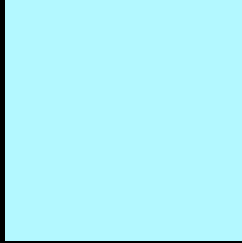
Large Text (above 18pt) WCAG AA × Fail

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 70.2078, 83.9385, 107.1092 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

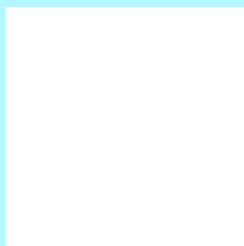
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2078, 83.9385, 107.1092

Background



This preview shows how black text looks on a background with the XYZ color 70.2078, 83.9385, 107.1092.

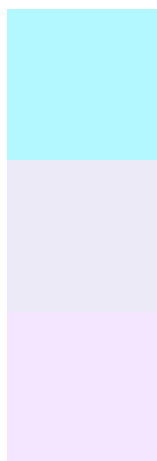


This preview shows how white text looks on a background with the XYZ color 70.2078, 83.9385,

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

70.2078, 83.9385, 107.1092

Protanopia

80.6494, 83.3323, 99.0228

Deuteranopia

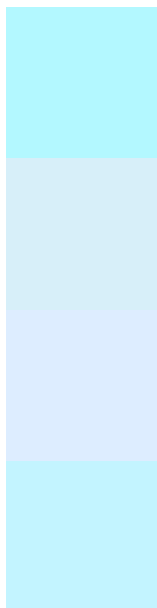
84.0030, 83.2261, 106.2446



Tritanopia

74.7040, 83.5616, 106.7994

Trichromacy



Original Color

70.2078, 83.9385, 107.1092

Protanomaly

75.9897, 83.0196, 101.6418

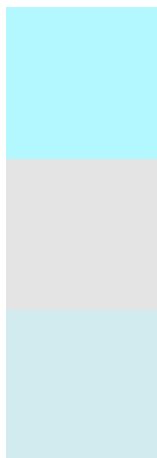
Deuteranomaly

78.1530, 83.1605, 106.5402

Tritanomaly

72.9064, 83.5235, 106.8868

Monochromacy



Original Color

70.2078, 83.9385, 107.1092

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

71.7193, 79.2913, 92.4137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2078, 83.9385, 107.1092 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(179, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 248, 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(179, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2078, 83.9385, 107.1092 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(179, 248, 255) }
```


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

```
.border{ border-color:rgb(179, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2078, 83.9385, 107.1092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 248, 255) }
```

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

```
.background{ background-color: rgb(179,  
248, 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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