

Converting Colors

XYZ(77.8404, 85.4955,
144.5806)

Have a look what the booklet for
XYZ(77.8404, 85.4955, 144.5806)
contains.

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Color

**XYZ(70.7100, 82.8391,
106.8705)**

Conversions

Conversions Part 1

Format	Color
Hex	B9F5FF
RGB	185, 245, 255
RGB Percent	73%, 96%, 100%
CMY	0.2745, 0.0392, 0.0000
CMYK	0.27, 0.04, 0.00, 0.00
HSL	189°, 100%, 86%
HSV	189°, 27%, 100%
XYZ	70.7100, 82.8391, 106.8705
YIQ	228.2000, -38.9700, -9.6100

Conversions

Conversions Part 2

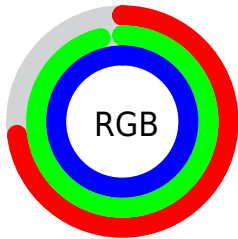
Format	Color
R_{YB}	185, 217, 255
Decimal	12187135
CIE _{Lab}	92.94, -16.53, -10.93
CIE _{LCh}	93, 19.815, 213.461
Yxy	82.8391, 0.2715, 0.3181
Android (android.graphics.Color)	4290377215 (0xFFB9F5FF)
YUV	228.2000, 13.2124, -37.8864
Hunter-Lab	91.0160, -20.6020, -5.9068

Details

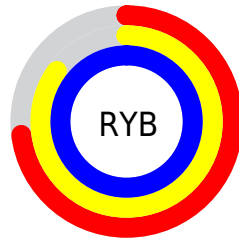
The XYZ color **70.7100, 82.8391, 106.8705** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5121, 63.7925, 54.5503**, and the grayscale version is **73.8178, 77.6620, 84.5740**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **37.5966, 45.2182, 60.1725** is the 20% darker color. If you saturate the color by 10%, you get **64.0110, 77.7684, 106.2448**, and if you desaturate by 10%, it is **78.5382, 88.5283, 107.5560**.

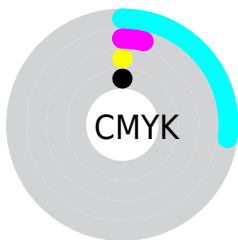
Distribution



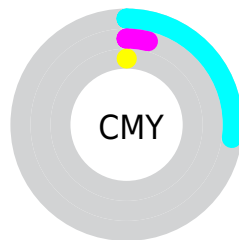
- Red (73%)
- Green (96%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7100, 82.8391, 106.8705 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 70.7100, 82.8391, 106.8705 by changing the saturation by 10% instead.

70.7100, 82.8391,
106.8705

70.7100, 82.8391,
106.8705

452.2667,
504.4501, 603.4365

52.3873, 62.0574,
81.4019

119.2415,
137.3501, 172.7012

37.5394, 45.0791,
60.3397

150.1809,
171.8482, 213.9003

25.8010, 31.5197,
43.2654

186.0566,
211.6872, 261.1800

16.8067, 20.9949,
29.7605

227.2339,
257.2516, 314.9589

10.1912, 13.1203,
19.4064

274.0783,
308.9256, 375.6554

5.5892, 7.5114,
11.7845

326.9549,

2.6352, 3.7840,

367.0938, 443.6882

6.4764

386.2293,
432.1405, 519.4757

■ 0.9639, 1.5535,
3.0634

■ 0.0000, 0.3259,
1.1271

■ 70.7100, 82.8391,
106.8705

■ 70.7100, 82.8391,
106.8705

■ 64.0110, 77.7684,
106.2448

■ 78.5382, 88.5283,
107.5560

■ 58.3757, 73.2759,
105.6747

■ 87.5439, 94.8548,
108.3025

■ 53.7415, 69.3314,
105.1576

95.0500, 100.0000,
108.9000

■ 50.0368, 65.8976,
104.6900

■ 47.1800, 62.9324,
104.2683

■ 45.0753, 60.3862,
103.8877

■ 43.5976, 58.1943,
103.5425

■ 43.2738, 57.6676,
103.4579

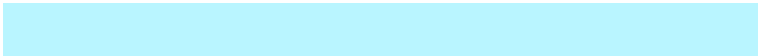
Harmonies

Analogous

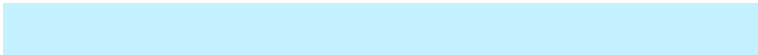
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2000, 82.8391, 91.9322



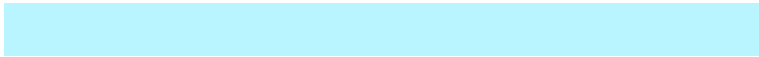
70.7100, 82.8391, 106.8705



74.3661, 82.8391, 118.2219

Triad

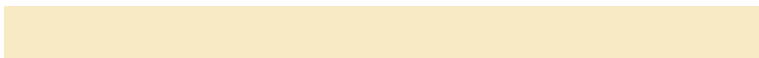
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7100, 82.8391, 106.8705



87.9941, 82.8391, 103.5626



78.1358, 82.8391, 64.5990

Complementary

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



70.7100, 82.8391, 106.8705



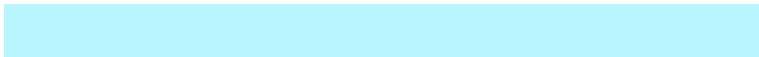
69.5121, 63.7925, 54.5503

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.



83.2740, 82.8391, 66.9940



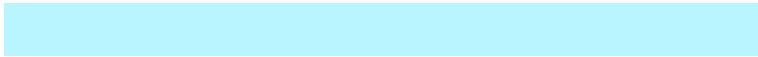
70.7100, 82.8391, 106.8705



89.1103, 82.8391, 88.4851

Square

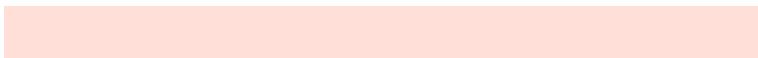
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7100, 82.8391, 106.8705



84.3607, 82.8391, 116.1697



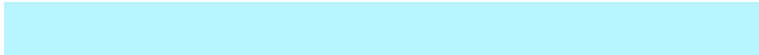
87.3476, 82.8391, 75.3559



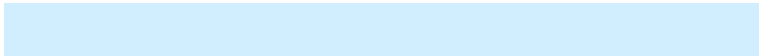
73.3672, 82.8391, 68.4175

Rectangle

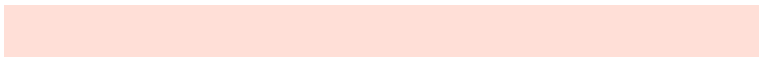
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



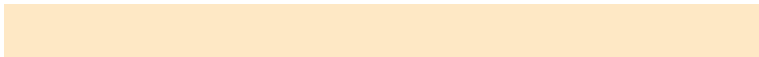
70.7100, 82.8391, 106.8705



77.6065, 82.8391, 121.6341



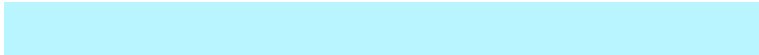
87.3476, 82.8391, 75.3559



79.8765, 82.8391, 64.7060

Sweetspot

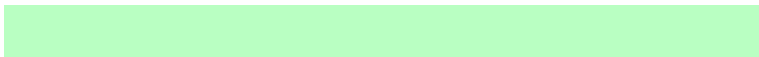
The Sweet Spot groups the original color and five complimentary colors.



70.7122, 82.8423, 106.8710



87.0167, 94.4896, 108.2598



65.5438, 85.7449, 64.3330



18.3208, 20.0131, 23.1473



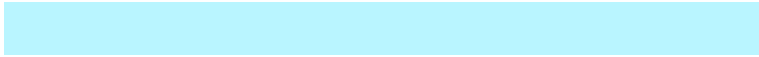
0.0000, 0.0000, 0.0000



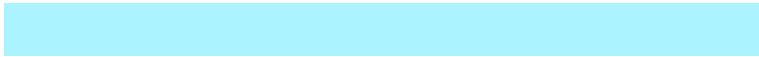
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7122, 82.8423, 106.8710



66.8576, 79.9524, 106.5163



61.2704, 63.9588, 103.7237



18.3208, 20.0131, 23.1473



22.6962, 30.3020, 54.0872



2.2678, 3.0663, 5.2856

Inverse Universe

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



75.0718, 62.5522, 94.5070



71.9498, 56.7993, 91.9522



78.1093, 80.9869, 57.4160



18.6746, 18.2531, 22.1693



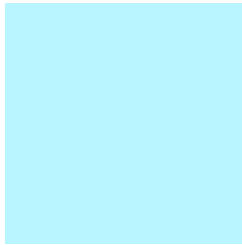
28.2442, 13.7870, 36.2661



2.7793, 1.3541, 3.6851

Previews

White Background



This preview shows how the XYZ color 70.7100, 82.8391, 106.8705 looks on a white background.

Color Contrast Check

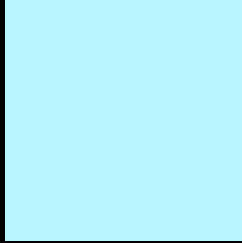
Large Text (above 18pt) WCAG AA × Fail

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 70.7100, 82.8391, 106.8705 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 70.7100, 82.8391, 106.8705

Background



This preview shows how black text looks on a background with the XYZ color 70.7100, 82.8391, 106.8705.

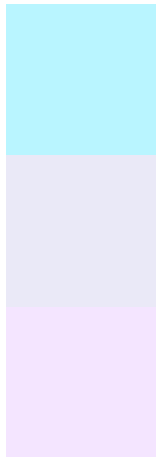


This preview shows how white text looks on a background with the XYZ color 70.7100, 82.8391,

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

70.7100, 82.8391, 106.8705

Protanopia

79.8591, 82.4857, 99.7080

Deuteranopia

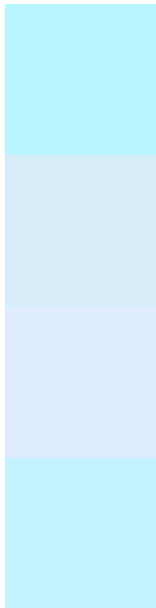
83.3775, 82.4917, 106.1358



Tritanopia

73.8624, 82.6872, 106.6750

Trichromacy



Original Color

70.7100, 82.8391, 106.8705

Protanomaly

75.8584, 82.0694, 102.2853

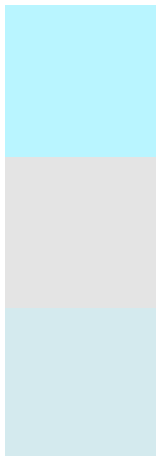
Deuteranomaly

78.1898, 82.3246, 106.3769

Tritanomaly

72.5671, 82.4600, 106.6994

Monochromacy



Original Color

70.7100, 82.8391, 106.8705

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.0068, 79.0157, 92.3453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7100, 82.8391, 106.8705 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(185, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 245, 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(185, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7100, 82.8391, 106.8705 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(185, 245, 255) }
```


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

```
.border{ border-color:rgb(185, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(185, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7100, 82.8391, 106.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 245, 255) }
```

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

```
.background{ background-color: rgb(185,  
245, 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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