

Converting Colors

XYZ(76.9570, 85.2808,
139.3400)

Have a look what the booklet for
XYZ(76.9570, 85.2808, 139.3400)
contains.

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Color

**XYZ(70.9521, 82.9639,
106.8818)**

Conversions

Conversions Part 1

Format	Color
Hex	BAF5FF
RGB	186, 245, 255
RGB Percent	73%, 96%, 100%
CMY	0.2706, 0.0392, 0.0000
CMYK	0.27, 0.04, 0.00, 0.00
HSL	189°, 100%, 86%
HSV	189°, 27%, 100%
XYZ	70.9521, 82.9639, 106.8818
YIQ	228.4990, -38.3740, -9.3980

Conversions

Conversions Part 2

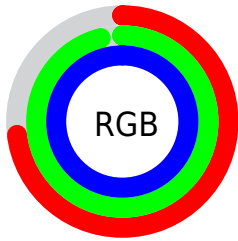
Format	Color
R _Y B	186, 218, 255
Decimal	12252671
CIE _{Lab}	93.00, -16.25, -10.84
CIE _{LCh}	93, 19.533, 213.702
Y _{xy}	82.9639, 0.2721, 0.3181
Android (android.graphics.Color)	4290442751 (0xFFBAF5FF)
Y _{UV}	228.4990, 13.0650, -37.2716
Hunter-Lab	91.0845, -20.3518, -5.8138

Details

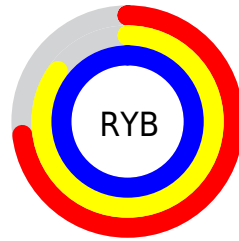
The XYZ color **70.9521, 82.9639, 106.8818** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8429, 64.2845, 55.1832**, and the grayscale version is **74.0375, 77.8932, 84.8257**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **37.7507, 45.2977, 60.1797** is the 20% darker color. If you saturate the color by 10%, you get **64.1953, 77.8402, 106.2489**, and if you desaturate by 10%, it is **78.8410, 88.7086, 107.5749**.

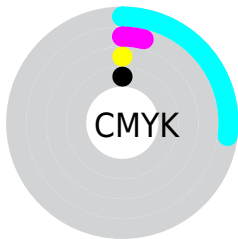
Distribution



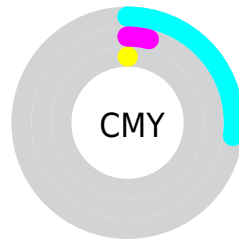
- Red (73%)
- Green (96%)
- Blue (100%)



- 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 70.9521, 82.9639, 106.8818 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 70.9521, 82.9639, 106.8818 by changing the saturation by 10% instead.


 70.9521, 82.9639,
106.8818

 70.9521, 82.9639,
106.8818


453.1004,
504.8662, 603.4723

 52.5855, 62.1604,
81.4113


 119.5844,
137.5249, 172.7167

 37.6981, 45.1623,
60.3474


150.5808,
172.0512, 213.9183

 25.9246, 31.5853,
43.2716


186.5179,
211.9204, 261.2005

 16.8996, 21.0449,
29.7653

227.7610,
257.5172, 314.9821

 10.2578, 13.1568,
19.4100

274.6754,
309.2257, 375.6816

 5.6338, 7.5366,
11.7871

327.6265,

 2.6623, 3.7999,

367.4305, 443.7174

6.4781

386.9798,
432.5158, 519.5081

■ 0.9778, 1.5623,
3.0645

■ 0.0000, 0.3320,
1.1276

■ 70.9521, 82.9639,
106.8818

■ 70.9521, 82.9639,
106.8818

■ 64.1953, 77.8402,
106.2489

■ 78.8410, 88.7086,
107.5749

■ 58.5052, 73.2971,
105.6720

■ 87.9100, 95.0929,
108.3292

■ 53.8195, 69.3046,
105.1483

95.0500, 100.0000,
108.9000

■ 50.0668, 65.8257,
104.6746

■ 47.1661, 62.8183,
104.2470

■ 45.0222, 60.2333,
103.8610

■ 43.5135, 58.0076,
103.5109

■ 43.1367, 57.3933,
103.4122

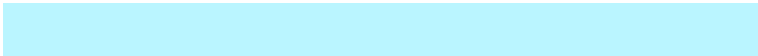
Harmonies

Analogous

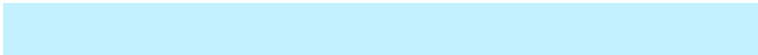
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4415, 82.9639, 92.1645



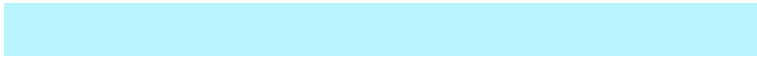
70.9521, 82.9639, 106.8818



74.5770, 82.9639, 118.0121

Triad

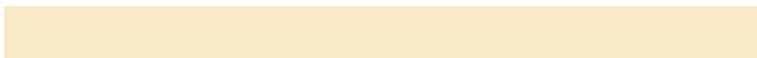
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9521, 82.9639, 106.8818



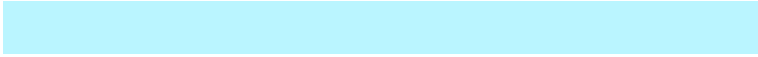
88.0048, 82.9639, 103.3965



78.2214, 82.9639, 65.0394

Complementary

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



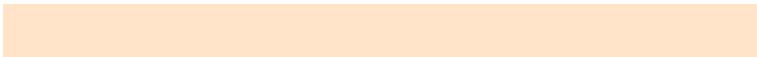
70.9521, 82.9639, 106.8818



69.8429, 64.2845, 55.1832

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.



83.2929, 82.9639, 67.3612



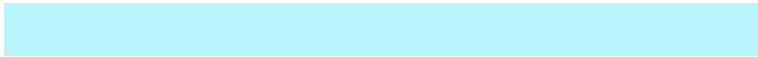
70.9521, 82.9639, 106.8818



89.0823, 82.9639, 88.5270

Square

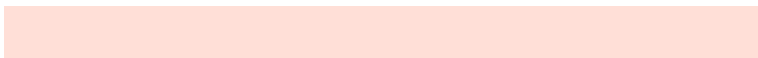
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9521, 82.9639, 106.8818



84.4389, 82.9639, 115.8519



87.3233, 82.9639, 75.5882



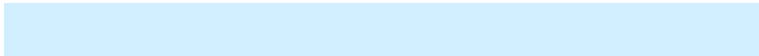
73.5223, 82.9639, 68.8679

Rectangle

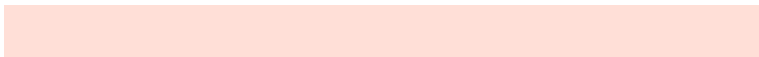
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9521, 82.9639, 106.8818



77.7807, 82.9639, 121.3233



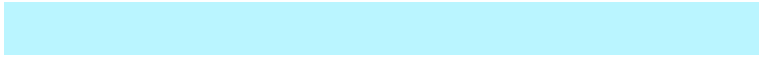
87.3233, 82.9639, 75.5882



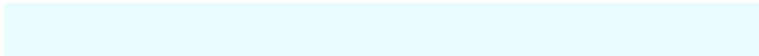
79.9386, 82.9639, 65.1288

Sweetspot

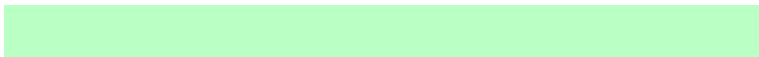
The Sweet Spot groups the original color and five complimentary colors.



70.9543, 82.9671, 106.8823



87.0035, 94.4630, 108.2554



65.8838, 85.9088, 64.8597



18.3174, 20.0064, 23.1461



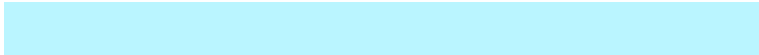
0.0000, 0.0000, 0.0000



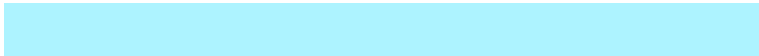
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9543, 82.9671, 106.8823



67.4763, 80.3582, 106.5620



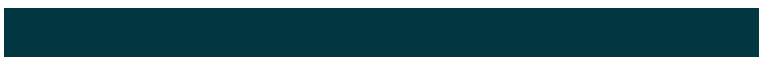
61.6699, 64.3983, 103.7875



18.3174, 20.0064, 23.1461



22.6255, 30.1607, 54.0637



2.2616, 3.0538, 5.2835

Inverse Universe

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



75.2817, 62.9720, 94.5770



72.4651, 57.7827, 92.2695



78.3170, 81.2328, 58.0079



18.6729, 18.2525, 22.1604



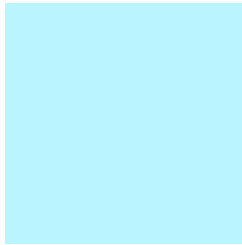
28.2085, 13.7727, 36.0782



2.7761, 1.3528, 3.6685

Previews

White Background



This preview shows how the XYZ color 70.9521, 82.9639, 106.8818 looks on a white background.

Color Contrast Check

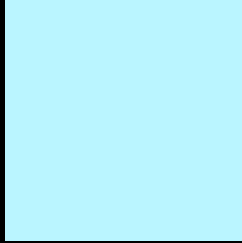
Large Text (above 18pt) WCAG AA × Fail

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 70.9521, 82.9639, 106.8818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

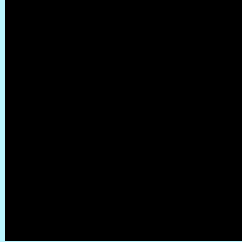
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9521, 82.9639, 106.8818

Background



This preview shows how black text looks on a background with the XYZ color 70.9521, 82.9639, 106.8818.

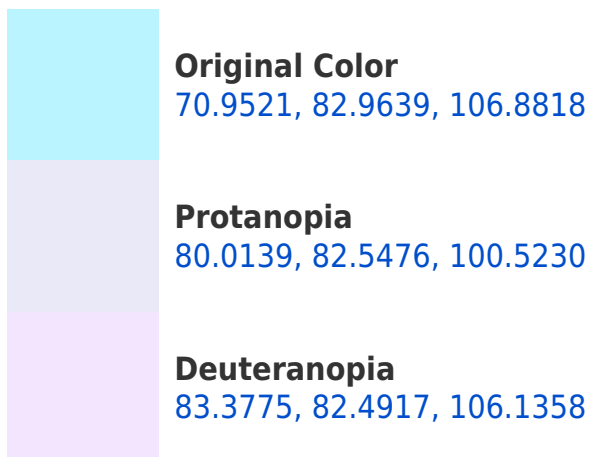


This preview shows how white text looks on a background with the XYZ color 70.9521, 82.9639,

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

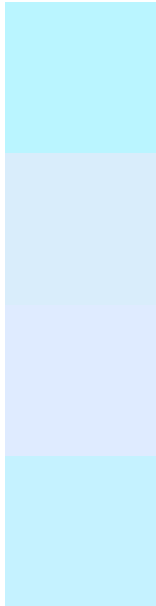




Tritanopia

74.1339, 82.8271, 106.6877

Trichromacy



Original Color

70.9521, 82.9639, 106.8818

Protanomaly

76.3120, 82.2851, 103.1273

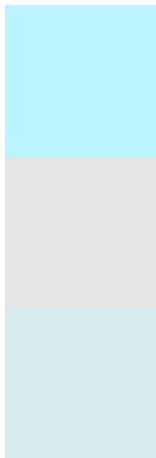
Deuteranomaly

78.1898, 82.3246, 106.3769

Tritanomaly

72.8281, 82.5946, 106.7116

Monochromacy



Original Color

70.9521, 82.9639, 106.8818

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.5815, 79.7358, 92.4540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9521, 82.9639, 106.8818 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(186, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.9521, 82.9639, 106.8818 is called "border". The border property can be set on classes, ids or directly on the HTML element.

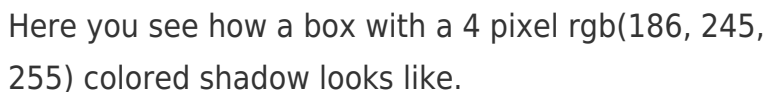
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 245, 255) }
```


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

```
.border{ border-color:rgb(186, 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(186, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9521, 82.9639, 106.8818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 245, 255) }
```

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

```
.background{ background-color: rgb(186,  
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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