

Converting Colors

XYZ(67.9788, 78.7718,
106.2294)

Have a look what the booklet for
XYZ(67.9788, 78.7718, 106.2294)
contains.

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Color

**XYZ(67.9726, 78.7768,
106.2306)**

Conversions

Conversions Part 1

Format	Color
Hex	B5EFFF
RGB	181, 239, 255
RGB Percent	71%, 94%, 100%
CMY	0.2902, 0.0627, 0.0000
CMYK	0.29, 0.06, 0.00, 0.00
HSL	193°, 100%, 85%
HSV	193°, 29%, 100%
XYZ	67.9726, 78.7768, 106.2306
YIQ	223.4820, -39.7040, -7.3200

Conversions

Conversions Part 2

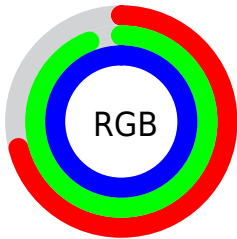
Format	Color
RYB	181, 214, 255
Decimal	11923455
CIELab	91.13, -14.65, -13.65
CIELCh	91, 20.024, 222.977
Yxy	78.7768, 0.2687, 0.3114
Android (android.graphics.Color)	4290113535 (0xFFB5EFFF)
YUV	223.4820, 15.5384, -37.2567
Hunter-Lab	88.7563, -18.6221, -8.8336

Details

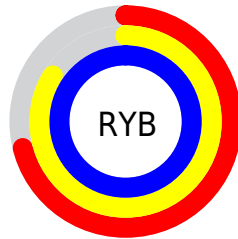
The XYZ color **67.9726, 78.7768, 106.2306** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5469, 64.5284, 52.5077**, and the grayscale version is **70.3970, 74.0631, 80.6547**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **35.7307, 42.3798, 59.7230** is the 20% darker color. If you saturate the color by 10%, you get **60.9429, 72.7955, 105.4466**, and if you desaturate by 10%, it is **76.1500, 85.4268, 107.0832**.

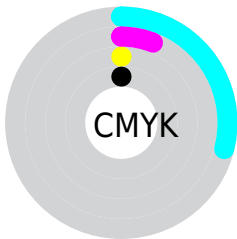
Distribution



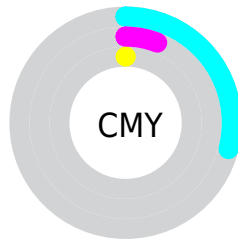
- Red (71%)
- Green (94%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9726, 78.7768, 106.2306 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 67.9726, 78.7768, 106.2306 by changing the saturation by 10% instead.

67.9726, 78.7768,
106.2306

67.9726, 78.7768,
106.2306

442.7772,
490.8009, 601.4056

50.1490, 58.7123,
80.8683

115.3551,
131.6446, 171.8197

35.7501, 42.3816,
59.9028

145.6447,
165.2167, 212.8836

24.4105, 29.4002,
42.9155

180.8204,
204.0601, 260.0184

15.7648, 19.3838,
29.4879

221.2475,
248.5593, 313.6427

9.4476, 11.9479,
19.2015

267.2913,
299.0985, 374.1751

5.0937, 6.7082,
11.6377

319.3174,

2.3377, 3.2803,

356.0623, 442.0340

6.3779

377.6908,
419.8350, 517.6380

■ 0.8138, 1.2798,
3.0037

■ 0.0000, 0.1255,
1.0965

■ 67.9726, 78.7768,
106.2306

■ 67.9726, 78.7768,
106.2306

■ 60.9429, 72.7955,
105.4466

■ 76.1500, 85.4268,
107.0832

■ 54.9944, 67.4420,
104.7268

■ 85.5245, 92.7656,
108.0057

■ 50.0633, 62.6847,
104.0685

95.0500, 100.0000,
108.9000

■ 46.0762, 58.4853,
103.4681

■ 42.9494, 54.7998,
102.9215

■ 40.5837, 51.5764,
102.4240

■ 38.8328, 48.7391,
101.9686

■ 38.6760, 48.4720,
101.9253

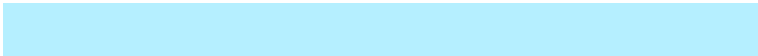
Harmonies

Analogous

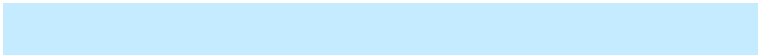
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.7791, 78.7768, 92.1925



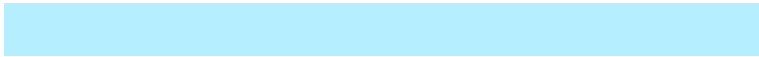
67.9726, 78.7768, 106.2306



72.0596, 78.7768, 115.3075

Triad

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



67.9726, 78.7768, 106.2306



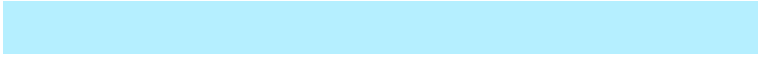
84.5798, 78.7768, 94.2027



72.7089, 78.7768, 61.3625

Complementary

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



67.9726, 78.7768, 106.2306



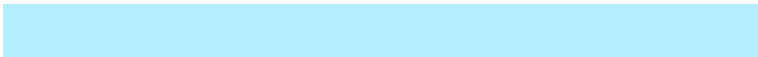
69.5469, 64.5284, 52.5077

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.



77.7627, 78.7768, 61.7710



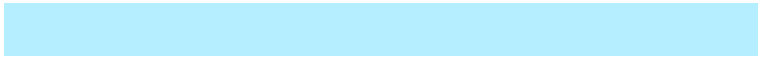
67.9726, 78.7768, 106.2306



84.7730, 78.7768, 79.6616

Square

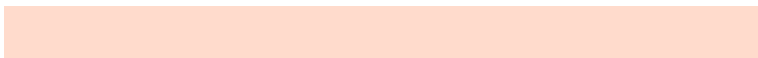
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9726, 78.7768, 106.2306



81.7131, 78.7768, 107.8445



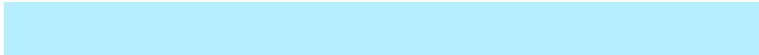
82.2295, 78.7768, 68.1291



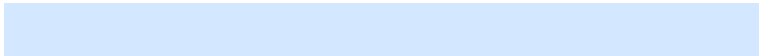
68.4294, 78.7768, 66.9419

Rectangle

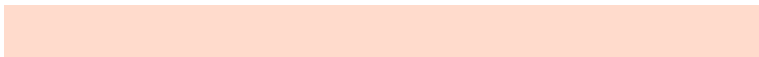
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



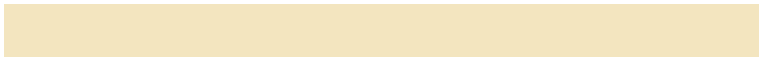
67.9726, 78.7768, 106.2306



75.3820, 78.7768, 116.7563



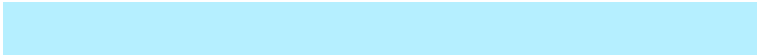
82.2295, 78.7768, 68.1291



74.3702, 78.7768, 60.8243

Sweetspot

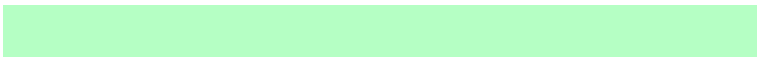
The Sweet Spot groups the original color and five complimentary colors.



67.9747, 78.7799, 106.2311



85.5427, 92.7796, 108.0074



64.7583, 85.3207, 65.1624



18.0013, 19.6206, 23.0883



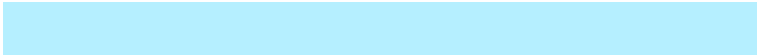
0.0000, 0.0000, 0.0000



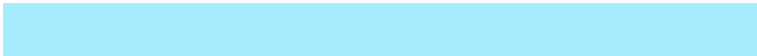
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9747, 78.7799, 106.2311



63.6348, 75.1225, 105.7539



58.5107, 59.8518, 103.0764



18.2021, 19.7758, 23.1077



20.3232, 25.5561, 53.2963



2.0576, 2.6459, 5.2155

Inverse Universe

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



73.3453, 60.5415, 89.4848



69.9286, 54.4808, 85.9643



78.6635, 82.7616, 55.5466



18.6146, 18.2292, 21.8539



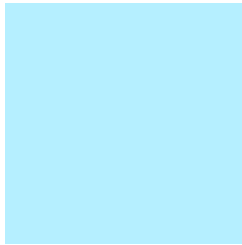
27.0464, 13.3079, 29.9587



2.6732, 1.3117, 3.1264

Previews

White Background



This preview shows how the XYZ color 67.9726, 78.7768, 106.2306 looks on a white background.

Color Contrast Check

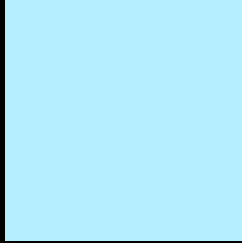
Large Text (above 18pt) WCAG AA × Fail

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 67.9726, 78.7768, 106.2306 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 67.9726, 78.7768, 106.2306

Background



This preview shows how black text looks on a background with the XYZ color 67.9726, 78.7768, 106.2306.

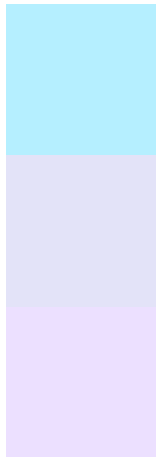


This preview shows how white text looks on a background with the XYZ color 67.9726, 78.7768,

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

67.9726, 78.7768, 106.2306

Protanopia

76.0909, 78.0464, 99.8610

Deuteranopia

79.2977, 78.3642, 105.5541



Tritanopia

69.1181, 78.9339, 106.2006

Trichromacy



Original Color

67.9726, 78.7768, 106.2306

Protanomaly

72.5668, 77.8185, 102.4626

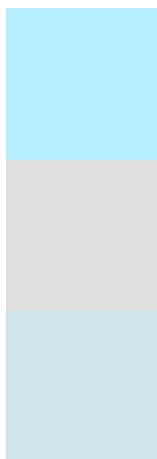
Deuteranomaly

74.3882, 77.8576, 105.7151

Tritanomaly

68.6321, 78.6834, 106.1779

Monochromacy



Original Color

67.9726, 78.7768, 106.2306

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.0271, 75.4467, 89.5218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9726, 78.7768, 106.2306 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(181, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 239, 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(181, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.9726, 78.7768, 106.2306 is called "border". The border property can be set on classes, ids or directly on the HTML element.

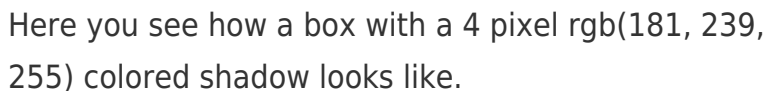
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 239, 255) }
```


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

```
.border{ border-color:rgb(181, 239, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9726, 78.7768, 106.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 239, 255) }
```

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

```
.background{ background-color: rgb(181,  
239, 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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