

Converting Colors

XYZ(67.5220, 79.6020,
106.4137)

Have a look what the booklet for
XYZ(67.5220, 79.6020, 106.4137)
contains.

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Color

**XYZ(67.4098, 79.3607,
106.3730)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F1FF
RGB	176, 241, 255
RGB Percent	69%, 95%, 100%
CMY	0.3098, 0.0549, 0.0000
CMYK	0.31, 0.05, 0.00, 0.00
HSL	191°, 100%, 85%
HSV	191°, 31%, 100%
XYZ	67.4098, 79.3607, 106.3730
YIQ	223.1610, -43.2340, -9.4260

Conversions

Conversions Part 2

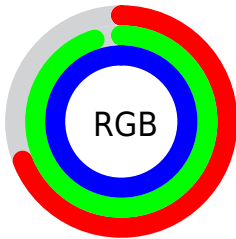
Format	Color
RYB	176, 212, 255
Decimal	11596287
CIELab	91.40, -17.03, -13.28
CIELCh	91, 21.594, 217.962
Yxy	79.3607, 0.2663, 0.3135
Android (android.graphics.Color)	4289786367 (0xFFB0F1FF)
YUV	223.1610, 15.6966, -41.3602
Hunter-Lab	89.0846, -20.8282, -8.4370

Details

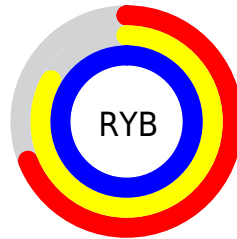
The XYZ color **67.4098, 79.3607, 106.3730** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4901, 61.2213, 49.3360**, and the grayscale version is **70.1694, 73.8237, 80.3940**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **35.4272, 42.8401, 59.8278** is the 20% darker color. If you saturate the color by 10%, you get **60.8563, 74.0235, 105.6882**, and if you desaturate by 10%, it is **75.0836, 85.3287, 107.1205**.

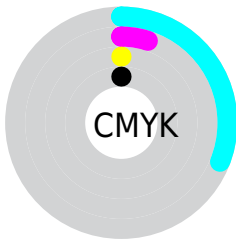
Distribution



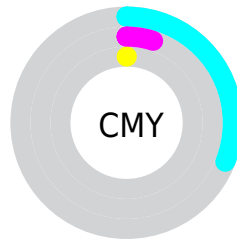
- Red (69%)
- Green (95%)
- Blue (100%)



- Red (69%)
- Yellow (83%)
- Blue (100%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4098, 79.3607, 106.3730 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 67.4098, 79.3607, 106.3730 by changing the saturation by 10% instead.

67.4098, 79.3607,
106.3730

67.4098, 79.3607,
106.3730

440.8116,
492.7757, 601.8579

49.6897, 59.1924,
80.9870

114.5540,
132.4665, 172.0159

35.3837, 42.7680,
60.0000

144.7087,
166.1729, 213.1099

24.1265, 29.7032,
42.9933

179.7390,
205.1607, 260.2770

15.5527, 19.6134,
29.5485

220.0103,
249.8144, 313.9358

9.2970, 12.1143,
19.2470

265.8878,
300.5183, 374.5047

4.9941, 6.8216,
11.6703

317.7370,

2.2785, 3.3508,

357.6569, 442.4023

6.3998

375.9231,
421.6146, 518.0472

■ 0.7836, 1.3175,
3.0170

■ 0.0000, 0.1547,
1.1033

■ 67.4098, 79.3607,
106.3730

■ 67.4098, 79.3607,
106.3730

■ 60.8563, 74.0235,
105.6882

■ 75.0836, 85.3287,
107.1205

■ 55.3558, 69.2760,
105.0618

■ 83.9277, 91.9475,
107.9319

■ 50.8434, 65.0864,
104.4909

■ 93.9966, 99.2477,
108.8103

■ 47.2442, 61.4158,
103.9721

■ 95.0500, 100.0000,
108.9000

■ 44.4721, 58.2194,
103.5013

■ 42.4242, 55.4437,
103.0735

■ 41.0528, 53.2255,
102.7176

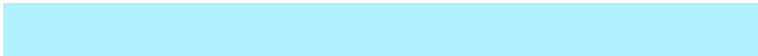
Harmonies

Analogous

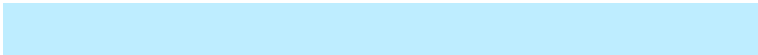
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.4513, 79.3607, 90.6660



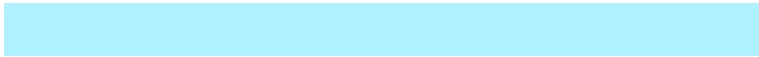
67.4098, 79.3607, 106.3730



71.5381, 79.3607, 117.5714

Triad

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



67.4098, 79.3607, 106.3730



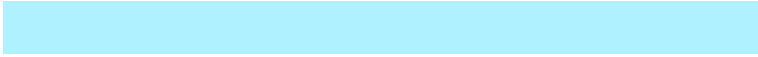
85.6439, 79.3607, 98.2573



73.9772, 79.3607, 59.7951

Complementary

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



67.4098, 79.3607, 106.3730



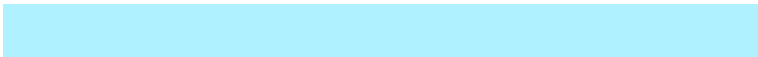
67.4901, 61.2213, 49.3360

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.



79.4605, 79.3607, 61.3077



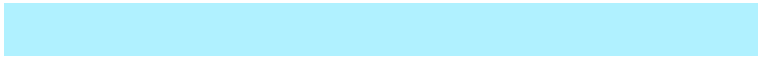
67.4098, 79.3607, 106.3730



86.3746, 79.3607, 82.2899

Square

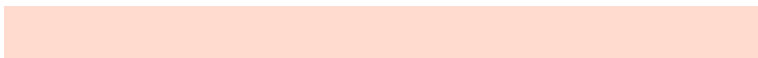
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.4098, 79.3607, 106.3730



82.1115, 79.3607, 112.5040



84.0623, 79.3607, 69.1158



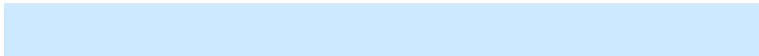
69.1211, 79.3607, 64.6996

Rectangle

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



67.4098, 79.3607, 106.3730



75.0552, 79.3607, 120.2807



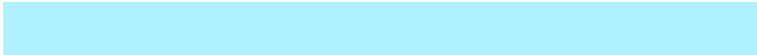
84.0623, 79.3607, 69.1158



75.8059, 79.3607, 59.5823

Sweetspot

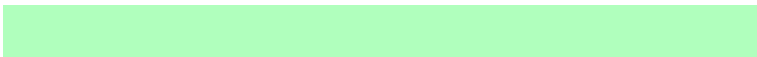
The Sweet Spot groups the original color and five complimentary colors.



67.4119, 79.3638, 106.3735



85.8215, 93.3373, 108.1004



62.8691, 84.4320, 61.2242



18.0703, 19.7588, 23.1114



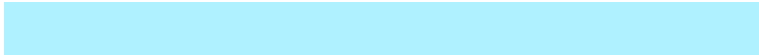
0.0000, 0.0000, 0.0000



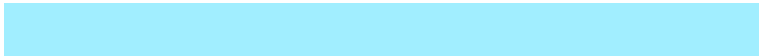
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4119, 79.3638, 106.3735



63.3349, 76.0755, 105.9537



57.1547, 58.8493, 102.9544



18.2650, 19.9016, 23.1287



21.5506, 28.0109, 53.7054



2.1667, 2.8642, 5.2519

Inverse Universe

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



72.6439, 58.6632, 90.7170



69.3982, 52.8173, 87.6452



77.0043, 80.2497, 52.5074



18.6464, 18.2419, 22.0212



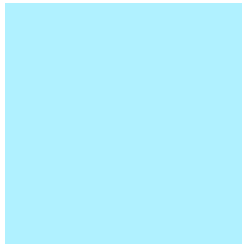
27.6660, 13.5557, 33.2211



2.7283, 1.3337, 3.4165

Previews

White Background



This preview shows how the XYZ color 67.4098, 79.3607, 106.3730 looks on a white background.

Color Contrast Check

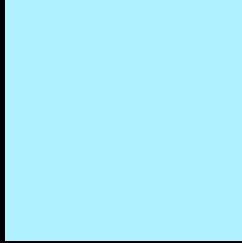
Large Text (above 18pt) WCAG AA × Fail

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 67.4098, 79.3607, 106.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

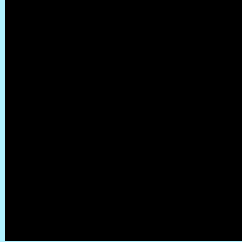
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4098, 79.3607, 106.3730

Background



This preview shows how black text looks on a background with the XYZ color 67.4098, 79.3607, 106.3730.

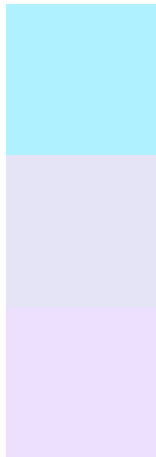


This preview shows how white text looks on a background with the XYZ color 67.4098, 79.3607,

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

67.4098, 79.3607, 106.3730

Protanopia

76.8450, 78.8602, 99.1671

Deuteranopia

79.6307, 78.5358, 105.5697



Tritanopia

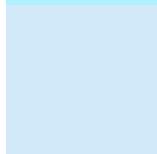
69.4100, 79.5178, 106.2979

Trichromacy



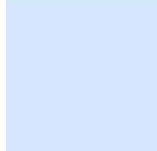
Original Color

67.4098, 79.3607, 106.3730



Protanomaly

72.9726, 78.8816, 101.8221



Deuteranomaly

74.3711, 78.2607, 105.7938



Tritanomaly

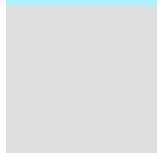
68.7385, 79.6075, 106.3506

Monochromacy



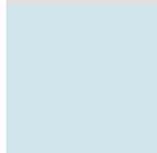
Original Color

67.4098, 79.3607, 106.3730



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.7458, 75.7136, 89.5882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4098, 79.3607, 106.3730 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(176, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 241, 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(176, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.4098, 79.3607, 106.3730 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(176, 241, 255) }
```


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

```
.border{ border-color:rgb(176, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4098, 79.3607, 106.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 241, 255) }
```

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

```
.background{ background-color: rgb(176,  
241, 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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