

Converting Colors

XYZ(67.7698, 80.0975,
106.4963)

Have a look what the booklet for
XYZ(67.7698, 80.0975, 106.4963)
contains.

XYZ(67.7066, 79.9544, 106.4720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.7066, 79.9544,
106.4720)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F2FF
RGB	176, 242, 255
RGB Percent	69%, 95%, 100%
CMY	0.3098, 0.0510, 0.0000
CMYK	0.31, 0.05, 0.00, 0.00
HSL	190°, 100%, 85%
HSV	190°, 31%, 100%
XYZ	67.7066, 79.9544, 106.4720
YIQ	223.7480, -43.5090, -9.9490

Conversions

Conversions Part 2

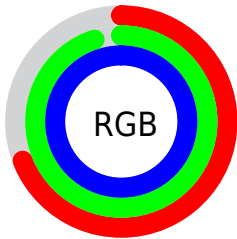
Format	Color
RYB	176, 212, 255
Decimal	11596543
CIELab	91.66, -17.52, -12.88
CIELCh	92, 21.750, 216.326
Yxy	79.9544, 0.2664, 0.3146
Android (android.graphics.Color)	4289786623 (0xFFB0F2FF)
YUV	223.7480, 15.4072, -41.8750
Hunter-Lab	89.4172, -21.3202, -8.0065

Details

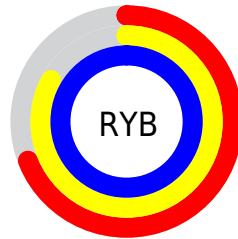
The XYZ color **67.7066, 79.9544, 106.4720** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2741, 60.7894, 49.2638**, and the grayscale version is **70.5893, 74.2654, 80.8750**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **35.6371, 43.2600, 59.8978** is the 20% darker color. If you saturate the color by 10%, you get **61.2397, 74.7902, 105.8160**, and if you desaturate by 10%, it is **75.2894, 85.7403, 107.1891**.

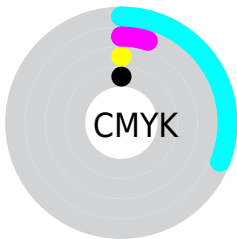
Distribution



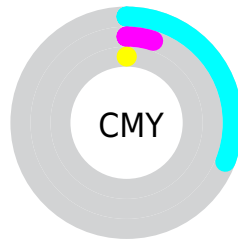
- Red (69%)
- Green (95%)
- Blue (100%)



- 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 67.7066, 79.9544, 106.4720 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 67.7066, 79.9544, 106.4720 by changing the saturation by 10% instead.

67.7066, 79.9544,
106.4720

67.7066, 79.9544,
106.4720

441.8488,
494.7791, 602.1722

49.9319, 59.6808,
81.0696

114.9765,
133.3016, 172.1523

35.5769, 43.1614,
60.0676

145.2025,
167.1441, 213.2672

24.2762, 30.0118,
43.0474

180.3095,
206.2782, 260.4568

15.6644, 19.8475,
29.5907

220.6630,
251.0886, 314.1394

9.3764, 12.2843,
19.2787

266.6283,
301.9594, 374.7338

5.0465, 6.9376,
11.6930

318.5708,

2.3096, 3.4231,

359.2752, 442.6583

6.4150

376.8559,
423.4203, 518.3316

0.7996, 1.3564,
3.0262

0.0000, 0.1843,
1.1080

67.7066, 79.9544,
106.4720

67.7066, 79.9544,
106.4720

61.2397, 74.7902,
105.8160

75.2894, 85.7403,
107.1891

55.8212, 70.2068,
105.2169

84.0379, 92.1680,
107.9687

51.3864, 66.1724,
104.6719

94.0065, 99.2678,
108.8137

47.8604, 62.6481,
104.1775

95.0500, 100.0000,
108.9000

■ 45.1572, 59.5895,
103.7296

■ 43.1738, 56.9430,
103.3233

■ 41.8571, 54.8342,
102.9857

Harmonies

Analogous

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



65.8611, 79.9544, 90.4724



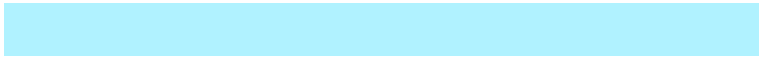
67.7066, 79.9544, 106.4720



71.7841, 79.9544, 118.1983

Triad

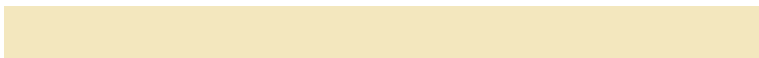
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7066, 79.9544, 106.4720



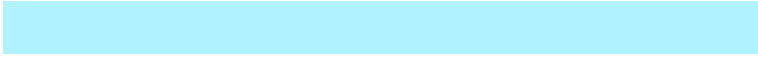
86.2064, 79.9544, 99.9314



74.8229, 79.9544, 60.0460

Complementary

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



67.7066, 79.9544, 106.4720



67.2741, 60.7894, 49.2638

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.



80.3659, 79.9544, 61.9303



67.7066, 79.9544, 106.4720



87.1168, 79.9544, 83.7281

Square

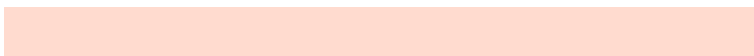
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



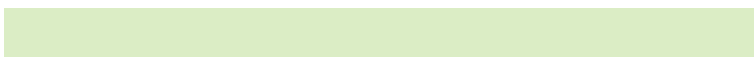
67.7066, 79.9544, 106.4720



82.5014, 79.9544, 114.1118



84.9320, 79.9544, 70.1580



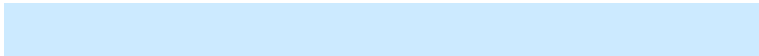
69.8386, 79.9544, 64.6564

Rectangle

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



67.7066, 79.9544, 106.4720



75.3116, 79.9544, 121.3056



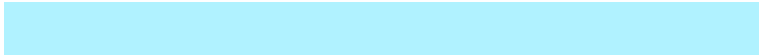
84.9320, 79.9544, 70.1580



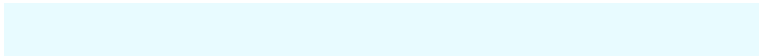
76.6810, 79.9544, 59.9497

Sweetspot

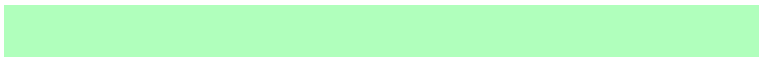
The Sweet Spot groups the original color and five complimentary colors.



67.7087, 79.9575, 106.4724



85.9123, 93.5189, 108.1306



62.7265, 84.3750, 60.4738



18.0928, 19.8038, 23.1189



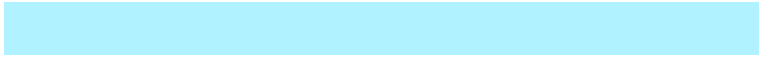
0.0000, 0.0000, 0.0000



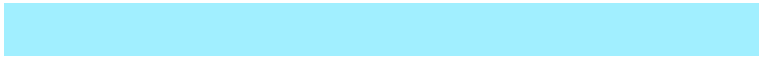
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7087, 79.9575, 106.4724



63.6844, 76.7745, 106.0702



57.4655, 59.4710, 103.0580



18.2855, 19.9427, 23.1355



21.9656, 28.8409, 53.8437



2.2034, 2.9376, 5.2641

Inverse Universe

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



72.7937, 58.7230, 91.5060



69.5746, 52.8879, 88.5742



76.6420, 79.5252, 52.3864



18.6568, 18.2460, 22.0757



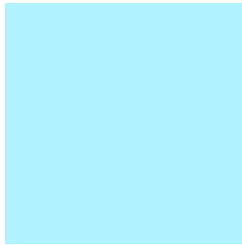
27.8754, 13.6395, 34.3242



2.7468, 1.3411, 3.5140

Previews

White Background



This preview shows how the XYZ color 67.7066, 79.9544, 106.4720 looks on a white background.

Color Contrast Check

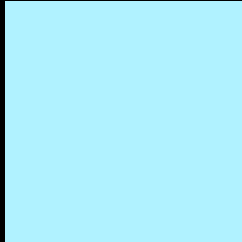
Large Text (above 18pt) WCAG AA × Fail

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 67.7066, 79.9544, 106.4720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

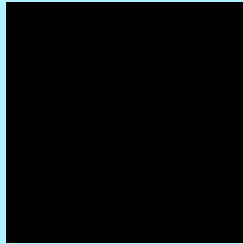
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7066, 79.9544, 106.4720

Background



This preview shows how black text looks on a background with the XYZ color 67.7066, 79.9544, 106.4720.

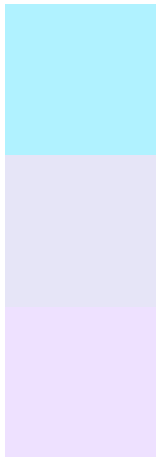


This preview shows how white text looks on a background with the XYZ color 67.7066, 79.9544,

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

67.7066, 79.9544, 106.4720

Protanopia

77.4409, 79.5770, 99.2740

Deuteranopia

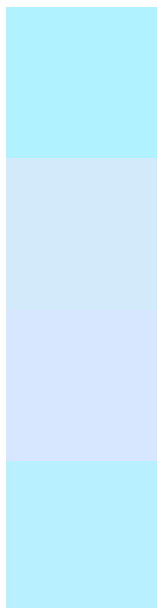
80.2351, 79.2476, 105.6752



Tritanopia

69.9028, 79.7718, 106.3210

Trichromacy



Original Color

67.7066, 79.9544, 106.4720

Protanomaly

73.2565, 79.4494, 101.9167

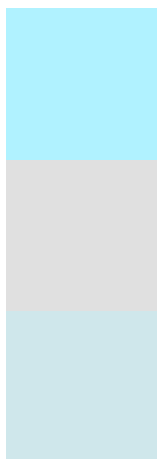
Deuteranomaly

74.6502, 78.8189, 105.8868

Tritanomaly

68.9773, 79.7305, 106.3618

Monochromacy



Original Color

67.7066, 79.9544, 106.4720

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3034, 76.4154, 89.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7066, 79.9544, 106.4720 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 242, 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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.7066, 79.9544, 106.4720 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, 242, 255) }
```


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

```
.border{ border-color:rgb(176, 242, 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, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7066, 79.9544, 106.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 242, 255) }
```

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

```
.background{ background-color: rgb(176,  
242, 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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