

Converting Colors

XYZ(67.6368, 79.4777,
106.3836)

Have a look what the booklet for
XYZ(67.6368, 79.4777, 106.3836)
contains.

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Color

**XYZ(67.6368, 79.4777,
106.3836)**

Conversions

Conversions Part 1

Format	Color
Hex	B1F1FF
RGB	177, 241, 255
RGB Percent	69%, 95%, 100%
CMY	0.3059, 0.0549, 0.0000
CMYK	0.31, 0.05, 0.00, 0.00
HSL	191°, 100%, 85%
HSV	191°, 31%, 100%
XYZ	67.6368, 79.4777, 106.3836
YIQ	223.4600, -42.6380, -9.2140

Conversions

Conversions Part 2

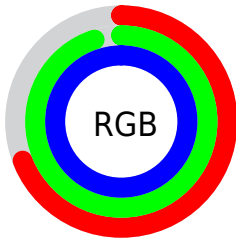
Format	Color
RYB	177, 212, 255
Decimal	11661823
CIELab	91.45, -16.75, -13.20
CIElCh	91, 21.328, 218.234
Yxy	79.4777, 0.2668, 0.3135
Android (android.graphics.Color)	4289851903 (0xFFB1F1FF)
YUV	223.4600, 15.5492, -40.7454
Hunter-Lab	89.1503, -20.5880, -8.3460

Details

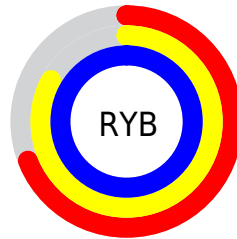
The XYZ color **67.6368, 79.4777, 106.3836** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.8069, 61.6958, 49.9316**, and the grayscale version is **70.3828, 74.0481, 80.6384**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **35.5680, 42.9127, 59.8344** is the 20% darker color. If you saturate the color by 10%, you get **61.0253, 74.0857, 105.6913**, and if you desaturate by 10%, it is **75.3719, 85.5033, 107.1390**.

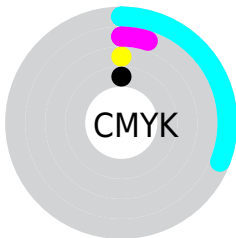
Distribution



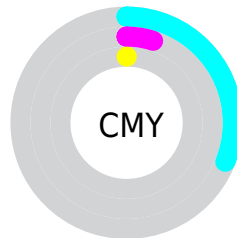
- Red (69%)
- Green (95%)
- Blue (100%)



- 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 67.6368, 79.4777, 106.3836 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 67.6368, 79.4777, 106.3836 by changing the saturation by 10% instead.

67.6368, 79.4777,
106.3836

67.6368, 79.4777,
106.3836

441.6050,
493.1709, 601.8915

49.8749, 59.2886,
80.9959

114.8772,
132.6312, 172.0305

35.5314, 42.8455,
60.0072

145.0864,
166.3643, 213.1268

24.2409, 29.7639,
42.9991

180.1754,
205.3810, 260.2963

15.6381, 19.6595,
29.5530

220.5096,
250.0656, 313.9576

9.3577, 12.1478,
19.2504

266.4542,
300.8025, 374.5292

5.0342, 6.8444,
11.6727

318.3748,

2.3023, 3.3650,

357.9761, 442.4297

6.4014

376.6366,
421.9708, 518.0776

0.7958, 1.3251,
3.0180

0.0000, 0.1605,
1.1038

67.6368, 79.4777,
106.3836

67.6368, 79.4777,
106.3836

61.0253, 74.0857,
105.6913

75.3719, 85.5033,
107.1390

55.4700, 69.2864,
105.0578

84.2802, 92.1827,
107.9587

50.9064, 65.0481,
104.4802

94.4161, 99.5462,
108.8458

47.2600, 61.3320,
103.9551

95.0500, 100.0000,
108.9000

■ 44.4451, 58.0937,
103.4784

■ 42.3597, 55.2800,
103.0453

■ 40.9101, 52.9402,
102.6700

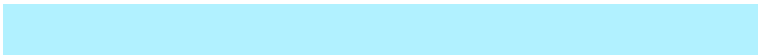
Harmonies

Analogous

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



65.6764, 79.4777, 90.8891



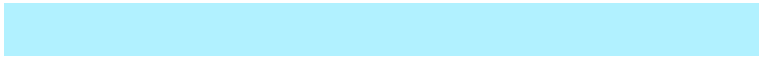
67.6368, 79.4777, 106.3836



71.7371, 79.4777, 117.3680

Triad

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



67.6368, 79.4777, 106.3836



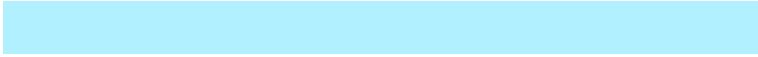
85.6535, 79.4777, 98.1004



74.0564, 79.4777, 60.2003

Complementary

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



67.6368, 79.4777, 106.3836



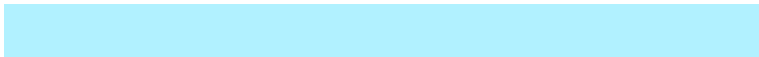
67.8069, 61.6958, 49.9316

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.



79.4774, 79.4777, 61.6427



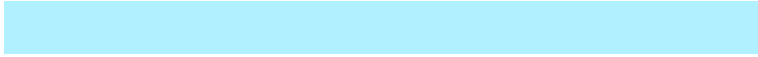
67.6368, 79.4777, 106.3836



86.3474, 79.4777, 82.3275

Square

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



67.6368, 79.4777, 106.3836



82.1855, 79.4777, 112.2011



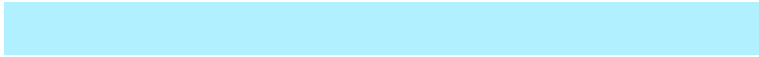
84.0386, 79.4777, 69.3275



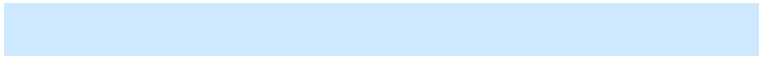
69.2650, 79.4777, 65.1202

Rectangle

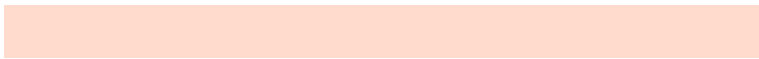
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6368, 79.4777, 106.3836



75.2200, 79.4777, 119.9806



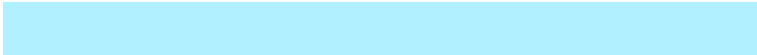
84.0386, 79.4777, 69.3275



75.8632, 79.4777, 59.9699

Sweetspot

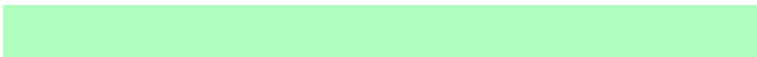
The Sweet Spot groups the original color and five complimentary colors.



67.6389, 79.4808, 106.3841



85.8052, 93.3047, 108.0949



63.1869, 84.5854, 61.7133



18.0663, 19.7507, 23.1100



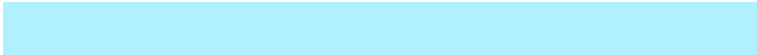
0.0000, 0.0000, 0.0000



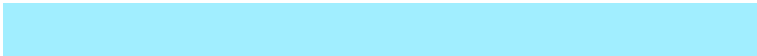
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6389, 79.4808, 106.3841



63.2724, 75.9505, 105.9329



57.5389, 59.2806, 103.0174



18.2613, 19.8943, 23.1275



21.4770, 27.8636, 53.6808



2.1602, 2.8511, 5.2497

Inverse Universe

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



72.8407, 59.0569, 90.7825



69.3667, 52.8047, 87.4791



77.1959, 80.4738, 53.0613



18.6446, 18.2411, 22.0114



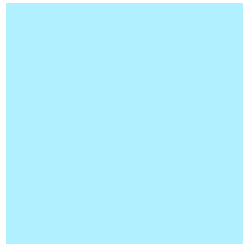
27.6288, 13.5408, 33.0254



2.7250, 1.3324, 3.3992

Previews

White Background



This preview shows how the XYZ color 67.6368, 79.4777, 106.3836 looks on a white background.

Color Contrast Check

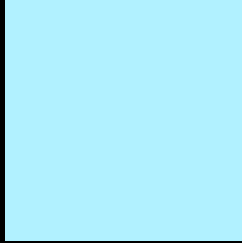
Large Text (above 18pt) WCAG AA × Fail

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 67.6368, 79.4777, 106.3836 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 67.6368, 79.4777, 106.3836

Background



This preview shows how black text looks on a background with the XYZ color 67.6368, 79.4777, 106.3836.

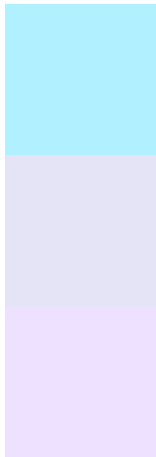


This preview shows how white text looks on a background with the XYZ color 67.6368, 79.4777,

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

67.6368, 79.4777, 106.3836

Protanopia

76.8450, 78.8602, 99.1671

Deuteranopia

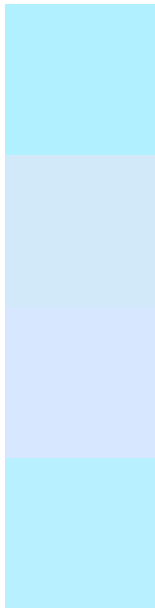
79.9003, 79.0750, 105.6595



Tritanopia

69.6555, 79.6444, 106.3094

Trichromacy



Original Color

67.6368, 79.4777, 106.3836

Protanomaly

72.9726, 78.8816, 101.8221

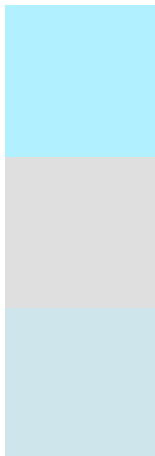
Deuteranomaly

74.6502, 78.8189, 105.8868

Tritanomaly

68.9773, 79.7305, 106.3618

Monochromacy



Original Color

67.6368, 79.4777, 106.3836

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 67.6368, 79.4777, 106.3836 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(177, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.6368, 79.4777, 106.3836 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(177, 241, 255) }
```


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

```
.border{ border-color:rgb(177, 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(177, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6368, 79.4777, 106.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 241, 255) }
```

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

```
.background{ background-color: rgb(177,  
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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