

Converting Colors

XYZ(68.8454, 82.2306,
106.8513)

Have a look what the booklet for
XYZ(68.8454, 82.2306, 106.8513)
contains.

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Color

**XYZ(68.9103, 82.3616,
106.8732)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F6FF
RGB	176, 246, 255
RGB Percent	69%, 96%, 100%
CMY	0.3098, 0.0353, 0.0000
CMYK	0.31, 0.04, 0.00, 0.00
HSL	187°, 100%, 85%
HSV	187°, 31%, 100%
XYZ	68.9103, 82.3616, 106.8732
YIQ	226.0960, -44.6090, -12.0410

Conversions

Conversions Part 2

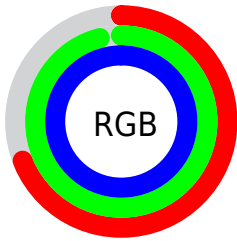
Format	Color
RYB	176, 213, 255
Decimal	11597567
CIELab	92.73, -19.50, -11.29
CIELCh	93, 22.535, 210.063
Yxy	82.3616, 0.2669, 0.3191
Android (android.graphics.Color)	4289787647 (0xFFB0F6FF)
YUV	226.0960, 14.2497, -43.9342
Hunter-Lab	90.7533, -23.2806, -6.2940

Details

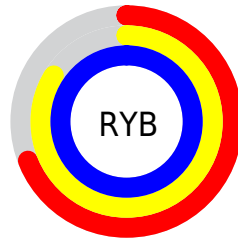
The XYZ color **68.9103, 82.3616, 106.8732** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4257, 59.0924, 48.9813**, and the grayscale version is **72.2833, 76.0477, 82.8160**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **36.3522, 44.8972, 60.1761** is the 20% darker color. If you saturate the color by 10%, you get **62.8013, 77.9134, 106.3365**, and if you desaturate by 10%, it is **76.1204, 87.4021, 107.4661**.

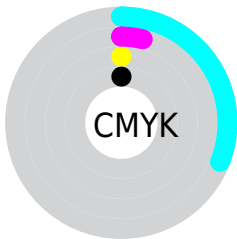
Distribution



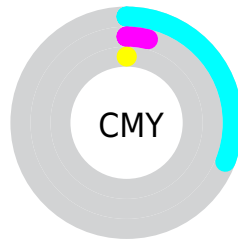
- Red (69%)
- Green (96%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9103, 82.3616, 106.8732 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 68.9103, 82.3616, 106.8732 by changing the saturation by 10% instead.

68.9103, 82.3616,
106.8732

68.9103, 82.3616,
106.8732

446.0409,
502.8564, 603.4450

50.9150, 61.6636,
81.4041

116.6882,
136.6810, 172.7049

36.3618, 44.7610,
60.3416

147.2016,
171.0712, 213.9046

24.8851, 31.2692,
43.2669

182.6184,
210.7942, 261.1849

16.1198, 20.8039,
29.7616

223.3039,
256.2346, 314.9644

9.7003, 12.9807,
19.4072

269.6236,
307.7766, 375.6617

5.2615, 7.4153,
11.7851

321.9427,

2.4378, 3.7231,

365.8046, 443.6951

6.4768

380.6267,
430.7031, 519.4834

■ 0.8640, 1.5199,
3.0637

■ 0.0000, 0.3027,
1.1272

■ 68.9103, 82.3616,
106.8732

■ 68.9103, 82.3616,
106.8732

■ 62.8013, 77.9134,
106.3365

■ 76.1204, 87.4021,
107.4661

■ 57.7261, 74.0164,
105.8519

■ 84.4812, 93.0543,
108.1164

■ 53.6199, 70.6393,
105.4164

■ 94.0470, 99.3484,
108.8271

■ 50.4081, 67.7435,
105.0268

■ 95.0500, 100.0000,
108.9000

■ 48.0048, 65.2847,
104.6788

■ 46.3071, 63.2096,
104.3678

■ 45.2361, 61.5921,
104.1120

Harmonies

Analogous

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



67.5245, 82.3616, 89.7131



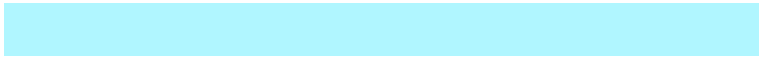
68.9103, 82.3616, 106.8732



72.7811, 82.3616, 120.7228

Triad

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



68.9103, 82.3616, 106.8732



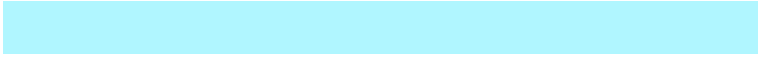
88.4809, 82.3616, 106.8044



78.2699, 82.3616, 61.0700

Complementary

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



68.9103, 82.3616, 106.8732



66.4257, 59.0924, 48.9813

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.



84.0538, 82.3616, 64.4712



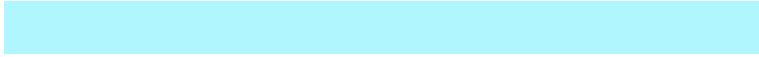
68.9103, 82.3616, 106.8732



90.1259, 82.3616, 89.6425

Square

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



68.9103, 82.3616, 106.8732



84.0763, 82.3616, 120.6797



88.4676, 82.3616, 74.4334



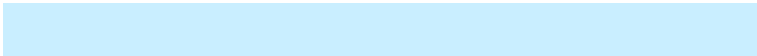
72.7607, 82.3616, 64.4996

Rectangle

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



68.9103, 82.3616, 106.8732



76.3497, 82.3616, 125.4525



88.4676, 82.3616, 74.4334



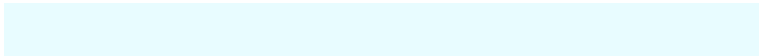
80.2471, 82.3616, 61.4463

Sweetspot

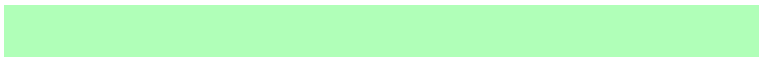
The Sweet Spot groups the original color and five complimentary colors.



68.9125, 82.3648, 106.8737



86.2769, 94.2480, 108.2522



62.3070, 84.2072, 58.2641



18.1832, 19.9846, 23.1490



0.0000, 0.0000, 0.0000



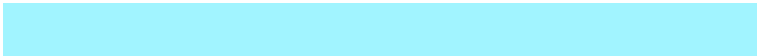
20.3446, 21.4041, 23.3091

Same Dimension

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



68.9125, 82.3648, 106.8737



65.1053, 79.6163, 106.5438



58.4144, 61.3686, 103.3743



18.3678, 20.1073, 23.1630



23.7074, 32.3243, 54.4243



2.3564, 3.2435, 5.3151

Inverse Universe

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



73.4013, 58.9663, 94.7053



70.2918, 53.1748, 92.3509



75.5720, 77.3849, 52.0300



18.6983, 18.2626, 22.2945



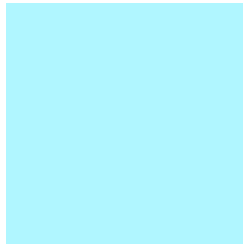
28.7546, 13.9911, 38.9537



2.8240, 1.3720, 3.9206

Previews

White Background



This preview shows how the XYZ color 68.9103, 82.3616, 106.8732 looks on a white background.

Color Contrast Check

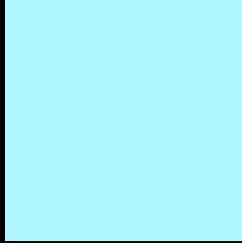
Large Text (above 18pt) WCAG AA × Fail

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 68.9103, 82.3616, 106.8732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

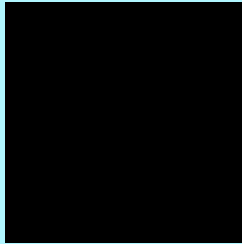
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9103, 82.3616, 106.8732

Background



This preview shows how black text looks on a background with the XYZ color 68.9103, 82.3616, 106.8732.

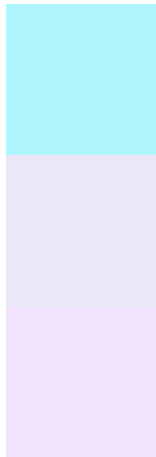


This preview shows how white text looks on a background with the XYZ color 68.9103, 82.3616,

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

68.9103, 82.3616, 106.8732

Protanopia

79.4228, 81.8595, 98.8032

Deuteranopia

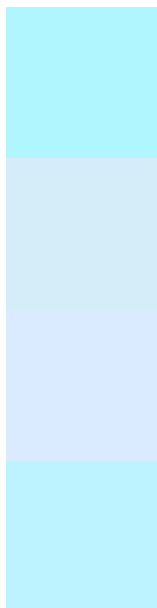
82.4114, 81.5841, 106.0115



Tritanopia

72.5313, 82.0009, 106.6127

Trichromacy



Original Color

68.9103, 82.3616, 106.8732

Protanomaly

74.8236, 81.5541, 101.4204

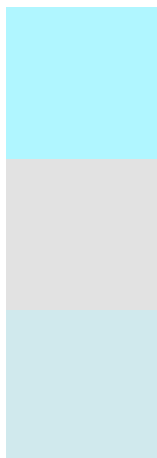
Deuteranomaly

76.6718, 81.5421, 106.3059

Tritanomaly

71.0869, 82.1400, 106.7157

Monochromacy



Original Color

68.9103, 82.3616, 106.8732

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.4374, 77.8021, 91.4256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9103, 82.3616, 106.8732 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 246, 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, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.9103, 82.3616, 106.8732 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, 246, 255) }
```


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

```
.border{ border-color:rgb(176, 246, 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, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9103, 82.3616, 106.8732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 246, 255) }
```

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

```
.background{ background-color: rgb(176,  
246, 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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