

Converting Colors

XYZ(68.7696, 80.5338,
108.9350)

Have a look what the booklet for
XYZ(68.7696, 80.5338, 108.9350)
contains.

XYZ(68.1622, 80.1892, 106.4933)	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(68.1622, 80.1892,
106.4933)**

Conversions

Conversions Part 1

Format	Color
Hex	B2F2FF
RGB	178, 242, 255
RGB Percent	70%, 95%, 100%
CMY	0.3019, 0.0510, 0.0000
CMYK	0.30, 0.05, 0.00, 0.00
HSL	190°, 100%, 85%
HSV	190°, 30%, 100%
XYZ	68.1622, 80.1892, 106.4933
YIQ	224.3460, -42.3170, -9.5250

Conversions

Conversions Part 2

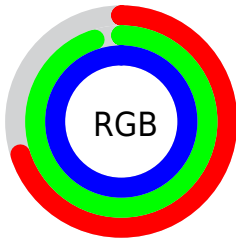
Format	Color
RYB	178, 213, 255
Decimal	11727615
CIELab	91.77, -16.98, -12.72
CIELCh	92, 21.212, 216.833
Yxy	80.1892, 0.2675, 0.3147
Android (android.graphics.Color)	4289917695 (0xFFB2F2FF)
YUV	224.3460, 15.1124, -40.6454
Hunter-Lab	89.5484, -20.8396, -7.8253

Details

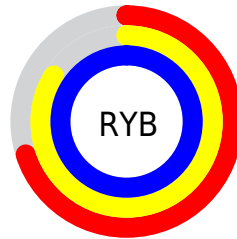
The XYZ color **68.1622, 80.1892, 106.4933** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9068, 61.7356, 50.4584**, and the grayscale version is **71.0177, 74.7162, 81.3659**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **35.9203, 43.4060, 59.9111** is the 20% darker color. If you saturate the color by 10%, you get **61.5807, 74.9189, 105.8229**, and if you desaturate by 10%, it is **75.8656, 86.0866, 107.2256**.

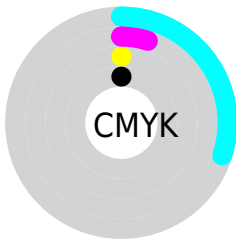
Distribution



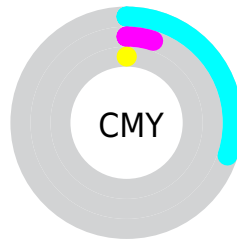
- Red (70%)
- Green (95%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1622, 80.1892, 106.4933 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 68.1622, 80.1892, 106.4933 by changing the saturation by 10% instead.

68.1622, 80.1892,
106.4933

68.1622, 80.1892,
106.4933

443.4382,
495.5702, 602.2398

50.3039, 59.8741,
81.0873

115.6248,
133.6317, 172.1816

35.8737, 43.3171,
60.0821

145.9597,
167.5279, 213.3011

24.5063, 30.1340,
43.0591

181.1843,
206.7198, 260.4955

15.8364, 19.9403,
29.5997

221.6638,
251.5919, 314.1833

9.4986, 12.3517,
19.2855

267.7635,
302.5286, 374.7831

5.1275, 6.9837,
11.6979

319.8490,

2.3578, 3.4519,

359.9143, 442.7134

6.4183

378.2854,
424.1334, 518.3928

■ 0.8240, 1.3720,
3.0282

■ 0.0000, 0.1959,
1.1090

■ 68.1622, 80.1892,
106.4933

■ 68.1622, 80.1892,
106.4933

■ 61.5807, 74.9189,
105.8229

■ 75.8656, 86.0866,
107.2256

■ 56.0542, 70.2349,
105.2101

■ 84.7404, 92.6309,
108.0210

■ 51.5183, 66.1058,
104.6521

94.8408, 99.8525,
108.8826

■ 47.8989, 62.4929,
104.1455

95.0500, 100.0000,
108.9000

■ 45.1110, 59.3523,
103.6863

■ 43.0532, 56.6312,
103.2695

■ 41.5837, 54.2874,
102.8946

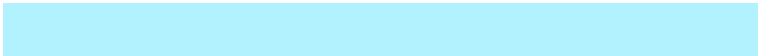
Harmonies

Analogous

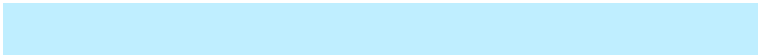
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.3134, 80.1892, 90.9186



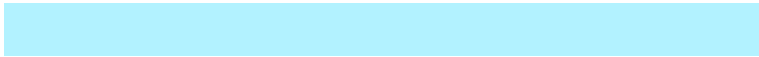
68.1622, 80.1892, 106.4933



72.1831, 80.1892, 117.7900

Triad

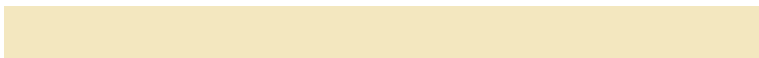
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1622, 80.1892, 106.4933



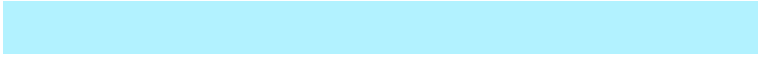
86.2252, 80.1892, 99.6128



74.9819, 80.1892, 60.8604

Complementary

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



68.1622, 80.1892, 106.4933



67.9068, 61.7356, 50.4584

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.



80.3994, 80.1892, 62.6055



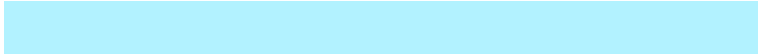
68.1622, 80.1892, 106.4933



87.0615, 80.1892, 83.8029

Square

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



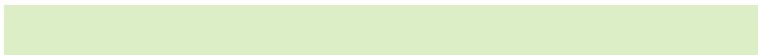
68.1622, 80.1892, 106.4933



82.6496, 80.1892, 113.4995



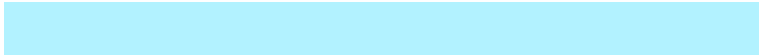
84.8835, 80.1892, 70.5851



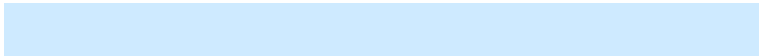
70.1279, 80.1892, 65.4990

Rectangle

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



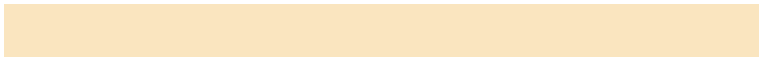
68.1622, 80.1892, 106.4933



75.6420, 80.1892, 120.7019



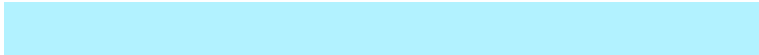
84.8835, 80.1892, 70.5851



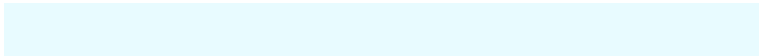
76.7957, 80.1892, 60.7294

Sweetspot

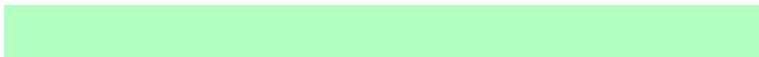
The Sweet Spot groups the original color and five complimentary colors.



68.1643, 80.1923, 106.4938



85.8817, 93.4576, 108.1204



63.5068, 84.7398, 62.2050



18.0852, 19.7886, 23.1163



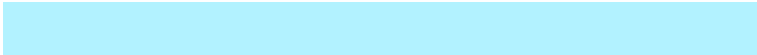
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



68.1643, 80.1923, 106.4938



64.2101, 77.0573, 106.0971



57.9251, 59.7139, 103.0807



18.2786, 19.9288, 23.1332



21.8246, 28.5588, 53.7967



2.1910, 2.9126, 5.2600

Inverse Universe

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



73.1888, 59.5132, 91.6376



70.0276, 53.7874, 88.7449



77.3882, 80.6984, 53.6188



18.6533, 18.2446, 22.0572



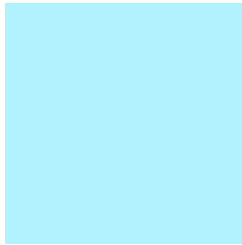
27.8043, 13.6110, 33.9493



2.7405, 1.3386, 3.4809

Previews

White Background



This preview shows how the XYZ color 68.1622, 80.1892, 106.4933 looks on a white background.

Color Contrast Check

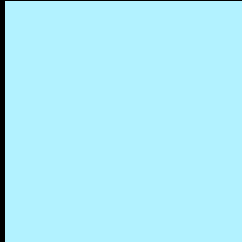
Large Text (above 18pt) WCAG AA × Fail

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 68.1622, 80.1892, 106.4933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

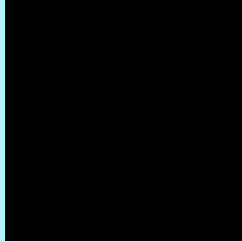
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1622, 80.1892, 106.4933

Background



This preview shows how black text looks on a background with the XYZ color 68.1622, 80.1892, 106.4933.



This preview shows how white text looks on a background with the XYZ color 68.1622, 80.1892,

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

68.1622, 80.1892, 106.4933

Protanopia

77.4409, 79.5770, 99.2740

Deuteranopia

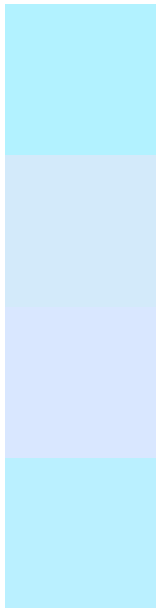
80.5718, 79.4211, 105.6910



Tritanopia

70.4024, 80.0294, 106.3444

Trichromacy



Original Color

68.1622, 80.1892, 106.4933

Protanomaly

73.5421, 79.5966, 101.9301

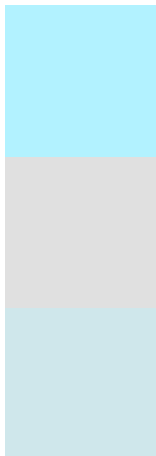
Deuteranomaly

75.2412, 79.1235, 105.9145

Tritanomaly

69.4598, 79.9793, 106.3844

Monochromacy



Original Color

68.1622, 80.1892, 106.4933

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 68.1622, 80.1892, 106.4933 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(178, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.1622, 80.1892, 106.4933 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(178, 242, 255) }
```


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

```
.border{ border-color:rgb(178, 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(178, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1622, 80.1892, 106.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 242, 255) }
```

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

```
.background{ background-color: rgb(178,  
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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