

Converting Colors

XYZ(65.7633, 81.6854,
106.9085)

Have a look what the booklet for
XYZ(65.7633, 81.6854, 106.9085)
contains.

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Color

**XYZ(65.7180, 81.6239,
106.8990)**

Conversions

Conversions Part 1

Format	Color
Hex	9EF8FF
RGB	158, 248, 255
RGB Percent	62%, 97%, 100%
CMY	0.3804, 0.0274, 0.0000
CMYK	0.38, 0.03, 0.00, 0.00
HSL	184°, 100%, 81%
HSV	184°, 38%, 100%
XYZ	65.7180, 81.6239, 106.8990
YIQ	221.8880, -55.8870, -16.9030

Conversions

Conversions Part 2

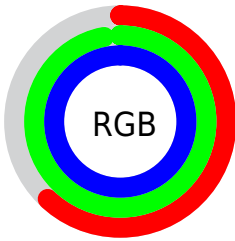
Format	Color
R_{YB}	158, 205, 255
Decimal	10418431
CIE _{Lab}	92.41, -25.15, -11.87
CIE _{LCh}	92, 27.806, 205.262
Yxy	81.6239, 0.2585, 0.3210
Android (android.graphics.Color)	4288608511 (0xFF9EF8FF)
YUV	221.8880, 16.3242, -56.0298
Hunter-Lab	90.3459, -28.2638, -6.9109

Details

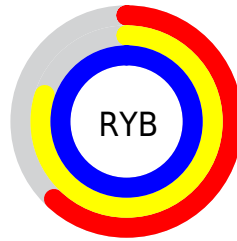
The XYZ color **65.7180, 81.6239, 106.8990** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.8672, 50.6392, 38.9161**, and the grayscale version is **69.2708, 72.8783, 79.3644**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **34.1907, 44.1055, 60.1373** is the 20% darker color. If you saturate the color by 10%, you get **60.6508, 78.1783, 106.5010**, and if you desaturate by 10%, it is **71.8357, 85.6232, 107.3485**.

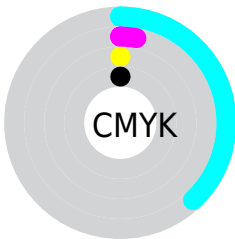
Distribution



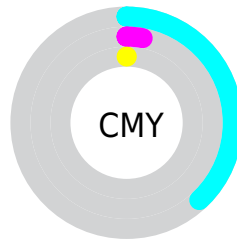
- Red (62%)
- Green (97%)
- Blue (100%)



- Red (62%)
- Yellow (80%)
- Blue (100%)



- Cyan (38%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.7180, 81.6239, 106.8990 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 65.7180, 81.6239, 106.8990 by changing the saturation by 10% instead.


 65.7180, 81.6239,
106.8990


 65.7180, 81.6239,
106.8990


434.8722,
500.3888, 603.5268

 48.3104, 61.0556,
81.4257


 112.1415,
135.6465, 172.7404

 34.2850, 44.2700,
60.3592


 141.8880,
169.8695, 213.9456

 23.2766, 30.8828,
43.2810


176.4783,
209.4128, 261.2317

 14.9197, 20.5097,
29.7726

216.2775,
254.6610, 315.0175

 8.8490, 12.7661,
19.4155

261.6512,
305.9982, 375.7213

 4.6991, 7.2676,
11.7910

312.9647,

 2.1048, 3.6300,

363.8090, 443.7618

6.4807

370.5832,
428.4777, 519.5574

0.6918, 1.4688,
3.0661

0.0000, 0.2666,
1.1285

65.7180, 81.6239,
106.8990

65.7180, 81.6239,
106.8990

60.6508, 78.1783,
106.5010

71.8357, 85.6232,
107.3485

56.5628, 75.2438,
106.1501

79.0566, 90.1976,
107.8509

53.3840, 72.7861,
105.8432

87.4378, 95.3784,
108.4092

51.0322, 70.7630,
105.5767

95.0500, 100.0000,
108.9000

■ 49.4107, 69.1246,
105.3459

■ 48.3879, 67.8029,
105.1447

■ 48.2209, 67.5618,
105.1070

Harmonies

Analogous

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



64.5812, 81.6239, 85.6386



65.7180, 81.6239, 106.8990



69.9539, 81.6239, 125.6162

Triad

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



65.7180, 81.6239, 106.8990



89.5278, 81.6239, 113.4460



78.7306, 81.6239, 54.9168

Complementary

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



65.7180, 81.6239, 106.8990



60.8672, 50.6392, 38.9161

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.



85.7434, 81.6239, 60.1022



65.7180, 81.6239, 106.8990



92.2179, 81.6239, 92.1910

Square

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



65.7180, 81.6239, 106.8990



83.6429, 81.6239, 129.7876



90.7922, 81.6239, 72.9994



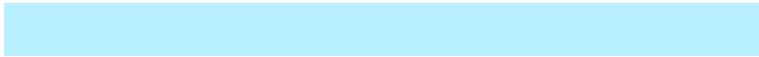
71.8194, 81.6239, 57.6134

Rectangle

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



65.7180, 81.6239, 106.8990



74.1109, 81.6239, 133.0170



90.7922, 81.6239, 72.9994



81.1579, 81.6239, 55.7696

Sweetspot

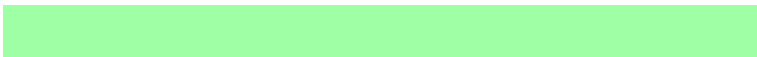
The Sweet Spot groups the original color and five complimentary colors.



65.7202, 81.6270, 106.8995



84.8308, 93.7787, 108.2378



56.6049, 81.4870, 48.0905



17.9094, 19.9197, 23.1509



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

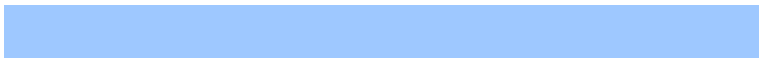
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7202, 81.6270, 106.8995



61.6019, 78.8381, 106.5783



52.8141, 55.8148, 102.5975



18.4361, 20.2439, 23.1857



25.2439, 35.3974, 54.9365



2.4901, 3.5109, 5.3597

Inverse Universe

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



70.4116, 52.4929, 95.2315



67.0030, 46.0380, 92.9786



71.1983, 71.3015, 42.3599



18.7328, 18.2764, 22.4760



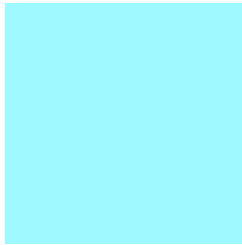
29.5302, 14.3014, 43.0378



2.8915, 1.3990, 4.2760

Previews

White Background



This preview shows how the XYZ color 65.7180, 81.6239, 106.8990 looks on a white background.

Color Contrast Check

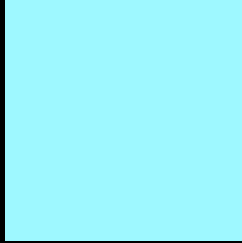
Large Text (above 18pt) WCAG AA × Fail

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 65.7180, 81.6239, 106.8990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

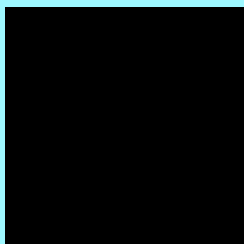
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.7180, 81.6239, 106.8990

Background



This preview shows how black text looks on a background with the XYZ color 65.7180, 81.6239, 106.8990.

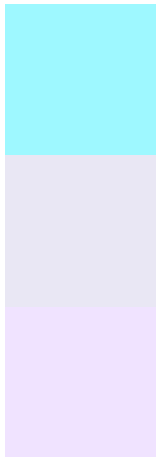


This preview shows how white text looks on a background with the XYZ color 65.7180, 81.6239,

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

65.7180, 81.6239, 106.8990

Protanopia

78.5093, 81.0071, 97.0860

Deuteranopia

81.4543, 80.6834, 105.8881



Tritanopia

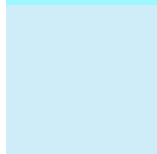
70.7884, 81.5431, 106.6162

Trichromacy



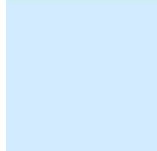
Original Color

65.7180, 81.6239, 106.8990



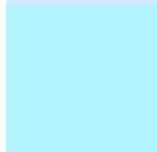
Protanomaly

72.6811, 80.4675, 100.5080



Deuteranomaly

74.3367, 80.3383, 106.1966



Tritanomaly

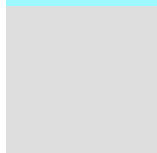
68.7608, 81.3863, 106.6928

Monochromacy



Original Color

65.7180, 81.6239, 106.8990



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.9804, 75.2345, 88.8334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.7180, 81.6239, 106.8990 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(158, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 248, 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(158, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.7180, 81.6239, 106.8990 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(158, 248, 255) }
```


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

```
.border{ border-color:rgb(158, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.7180, 81.6239, 106.8990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 248, 255) }
```

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

```
.background{ background-color: rgb(158,  
248, 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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