

Converting Colors

XYZ(84.6820, 89.0528,
228.5831)

Have a look what the booklet for
XYZ(84.6820, 89.0528, 228.5831)
contains.

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Color

**XYZ(61.5985, 79.9579,
106.7946)**

Conversions

Conversions Part 1

Format	Color
Hex	85F9FF
RGB	133, 249, 255
RGB Percent	52%, 98%, 100%
CMY	0.4784, 0.0235, 0.0000
CMYK	0.48, 0.02, 0.00, 0.00
HSL	183°, 100%, 76%
HSV	183°, 48%, 100%
XYZ	61.5985, 79.9579, 106.7946
YIQ	215.0000, -71.0620, -22.7260

Conversions

Conversions Part 2

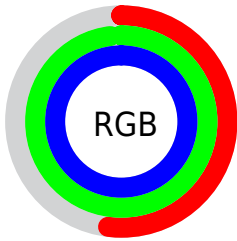
Format	Color
R_{YB}	133, 192, 255
Decimal	8780287
CIE _{Lab}	91.67, -31.38, -13.08
CIE _{LCh}	92, 34.001, 202.628
Yxy	79.9579, 0.2480, 0.3220
Android (android.graphics.Color)	4286970367 (0xFF85F9FF)
YUV	215.0000, 19.7200, -71.9140
Hunter-Lab	89.4192, -33.5197, -8.2175

Details

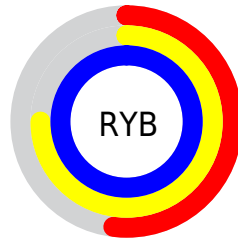
The XYZ color **61.5985, 79.9579, 106.7946** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.7068, 41.4191, 27.3035**, and the grayscale version is **64.4985, 67.8574, 73.8967**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **31.5685, 43.0786, 60.0772** is the 20% darker color. If you saturate the color by 10%, you get **57.6652, 77.3589, 106.5002**, and if you desaturate by 10%, it is **66.5158, 83.0717, 107.1364**.

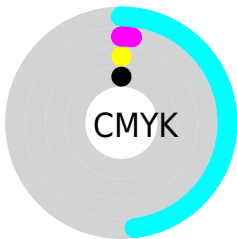
Distribution



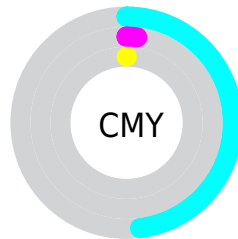
- Red (52%)
- Green (98%)
- Blue (100%)



- Red (52%)
- Yellow (75%)
- Blue (100%)



- Cyan (48%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5985, 79.9579, 106.7946 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 61.5985, 79.9579, 106.7946 by changing the saturation by 10% instead.

61.5985, 79.9579,
106.7946

61.5985, 79.9579,
106.7946

420.2060,
494.7909, 603.1958

44.9627, 59.6837,
81.3386

106.2383,
133.3065, 172.5966

31.6292, 43.1637,
60.2879

134.9729,
167.1498, 213.7798

21.2326, 30.0136,
43.2239

168.4713,
206.2848, 261.0423

13.4076, 19.8489,
29.7281

207.0988,
251.0961, 314.8029

7.7887, 12.2853,
19.3820

251.2206,
301.9679, 375.4799

4.0107, 6.9383,
11.7670

301.2021,

1.7082, 3.4235,

359.2847, 443.4921

6.4646

357.4088,
423.4310, 519.2579

■ 0.4614, 1.3566,
3.0563

■ 0.0000, 0.1844,
1.1235

■ 61.5985, 79.9579,
106.7946

■ 61.5985, 79.9579,
106.7946

■ 57.6652, 77.3589,
106.5002

■ 66.5158, 83.0717,
107.1364

■ 54.6374, 75.2287,
106.2486

■ 72.4753, 86.7249,
107.5275

■ 52.4356, 73.5281,
106.0364

■ 79.5385, 90.9507,
107.9709

■ 50.9632, 72.2073,
105.8591

■ 87.7599, 95.7776,
108.4692

■ 50.0911, 71.1998,
105.7106

95.0500, 100.0000,
108.9000

■ 49.9413, 71.0027,
105.6804

Harmonies

Analogous

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



60.6060, 79.9579, 81.0657



61.5985, 79.9579, 106.7946



66.3027, 79.9579, 130.8821

Triad

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



61.5985, 79.9579, 106.7946



90.0606, 79.9579, 119.4462



78.1610, 79.9579, 47.7129

Complementary

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



61.5985, 79.9579, 106.7946



54.7068, 41.4191, 27.3035

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.



86.5943, 79.9579, 54.3074



61.5985, 79.9579, 106.7946



93.7965, 79.9579, 93.3439

Square

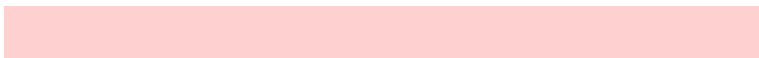
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.5985, 79.9579, 106.7946



82.6074, 79.9579, 139.1034



92.4820, 79.9579, 69.9209



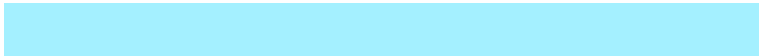
69.7501, 79.9579, 49.9485

Rectangle

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



61.5985, 79.9579, 106.7946



71.1186, 79.9579, 141.1645



92.4820, 79.9579, 69.9209



81.0948, 79.9579, 48.9195

Sweetspot

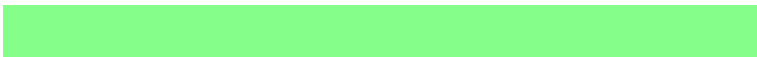
The Sweet Spot groups the original color and five complimentary colors.



61.6006, 79.9609, 106.7950



82.5566, 92.7322, 108.1557



49.9542, 78.3152, 36.1773



17.3031, 19.6320, 23.1273



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.



61.6006, 79.9609, 106.7950



57.9602, 77.5590, 106.5233



46.1233, 49.0062, 101.6359



18.4739, 20.3193, 23.1983



26.1288, 37.1672, 55.2314



2.5667, 3.6640, 5.3852

Inverse Universe

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



66.7278, 44.8763, 94.7710



63.6992, 39.1049, 92.8807



65.6839, 63.3733, 30.9625



18.7518, 18.2840, 22.5763



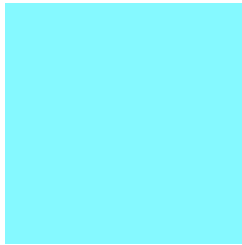
29.9768, 14.4800, 45.3899



2.9301, 1.4144, 4.4795

Previews

White Background



This preview shows how the XYZ color 61.5985, 79.9579, 106.7946 looks on a white background.

Color Contrast Check

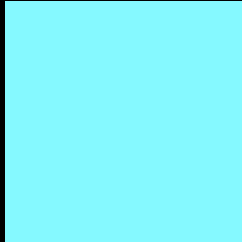
Large Text (above 18pt) WCAG AA × Fail

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 61.5985, 79.9579, 106.7946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

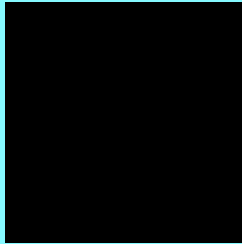
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.5985, 79.9579, 106.7946

Background



This preview shows how black text looks on a background with the XYZ color 61.5985, 79.9579, 106.7946.

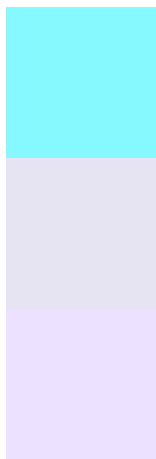


This preview shows how white text looks on a background with the XYZ color 61.5985, 79.9579,

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

61.5985, 79.9579, 106.7946

Protanopia

76.4035, 78.7206, 95.1721

Deuteranopia

79.5673, 78.9033, 105.6440



Tritanopia

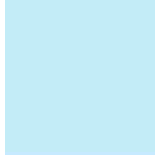
67.4098, 79.3607, 106.3730

Trichromacy



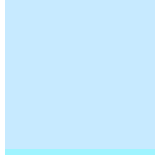
Original Color

61.5985, 79.9579, 106.7946



Protanomaly

69.2896, 78.3084, 99.4588



Deuteranomaly

71.0260, 78.2078, 105.9599



Tritanomaly

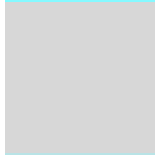
64.8979, 79.3950, 106.5120

Monochromacy



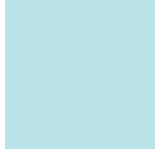
Original Color

61.5985, 79.9579, 106.7946



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

61.7596, 70.9656, 85.3056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.5985, 79.9579, 106.7946 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(133, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 249, 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(133, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 61.5985, 79.9579, 106.7946 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(133, 249, 255) }
```


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

```
.border{ border-color:rgb(133, 249, 255) }
```

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

Here you see how a box with a 4 pixel rgb(133, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 61.5985, 79.9579, 106.7946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 249, 255) }
```

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

```
.background{ background-color: rgb(133,  
249, 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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