

Converting Colors

XYZ(64.0286, 81.7511,
107.0126)

Have a look what the booklet for
XYZ(64.0286, 81.7511, 107.0126)
contains.

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Color

**XYZ(63.9127, 81.6110,
106.9917)**

Conversions

Conversions Part 1

Format	Color
Hex	91FAFF
RGB	145, 250, 255
RGB Percent	57%, 98%, 100%
CMY	0.4314, 0.0196, 0.0000
CMYK	0.43, 0.02, 0.00, 0.00
HSL	183°, 100%, 78%
HSV	183°, 43%, 100%
XYZ	63.9127, 81.6110, 106.9917
YIQ	219.1750, -64.1850, -20.7050

Conversions

Conversions Part 2

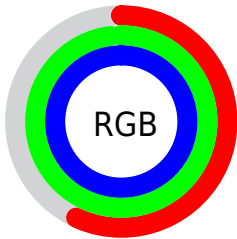
Format	Color
RYB	145, 199, 255
Decimal	9566975
CIELab	92.40, -29.21, -11.93
CIELCh	92, 31.552, 202.224
Yxy	81.6110, 0.2531, 0.3232
Android (android.graphics.Color)	4287757055 (0xFF91FAFF)
YUV	219.1750, 17.6617, -65.0515
Hunter-Lab	90.3388, -31.8081, -6.9822

Details

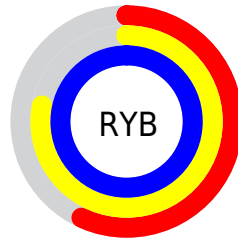
The XYZ color **63.9127, 81.6110, 106.9917** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.2577, 45.1174, 32.4808**, and the grayscale version is **67.3686, 70.8770, 77.1850**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **33.0093, 44.1484, 60.2078** is the 20% darker color. If you saturate the color by 10%, you get **59.5554, 78.8340, 106.6853**, and if you desaturate by 10%, it is **69.2849, 84.9183, 107.3469**.

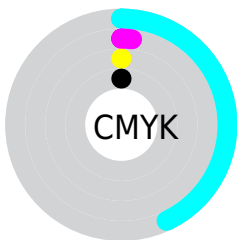
Distribution



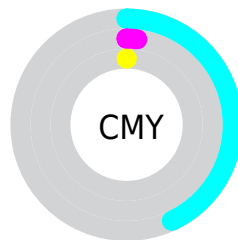
- Red (57%)
- Green (98%)
- Blue (100%)



- Red (57%)
- Yellow (78%)
- Blue (100%)



- Cyan (43%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9127, 81.6110, 106.9917 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 63.9127, 81.6110, 106.9917 by changing the saturation by 10% instead.

63.9127, 81.6110,
106.9917

63.9127, 81.6110,
106.9917

428.4815,
500.3456, 603.8207

46.8414, 61.0449,
81.5030

109.5596,
135.6284, 172.8681

33.1177, 44.2614,
60.4225

138.8660,
169.8484, 214.0928

22.3763, 30.8761,
43.3318

172.9814,
209.3887, 261.3999

14.2518, 20.5045,
29.8122

212.2712,
254.6334, 315.2080

8.3789, 12.7623,
19.4452

257.1007,
305.9671, 375.9356

4.3922, 7.2651,
11.8124

307.8354,

1.9263, 3.6284,

363.7741, 444.0012

6.4951

364.8406,
428.4388, 519.8234

■ 0.5921, 1.4680,
3.0748

■ 0.0000, 0.2660,
1.1329

■ 63.9127, 81.6110,
106.9917

■ 63.9127, 81.6110,
106.9917

■ 59.5554, 78.8340,
106.6853

■ 69.2849, 84.9183,
107.3469

■ 56.1382, 76.5430,
106.4232

■ 75.7274, 88.7788,
107.7525

■ 53.5864, 74.7015,
106.2023

■ 83.2994, 93.2248,
108.2116

■ 51.8114, 73.2636,
106.0183

■ 92.0538, 98.2836,
108.7266

■ 50.7053, 72.1738,
105.8662

95.0500, 100.0000,
108.9000

■ 50.2260, 71.5720,
105.7753

Harmonies

Analogous

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



63.0180, 81.6110, 82.9094



63.9127, 81.6110, 106.9917



68.3356, 81.6110, 129.3888

Triad

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



63.9127, 81.6110, 106.9917



90.6638, 81.6110, 119.3776



79.7144, 81.6110, 51.3136

Complementary

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



63.9127, 81.6110, 106.9917



57.2577, 45.1174, 32.4808

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.



87.5984, 81.6110, 57.8249



63.9127, 81.6110, 106.9917



94.2030, 81.6110, 95.0898

Square

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



63.9127, 81.6110, 106.9917



83.6652, 81.6110, 137.3700



93.0435, 81.6110, 72.9029



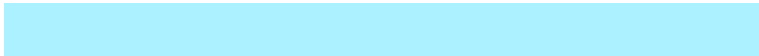
71.7760, 81.6110, 53.3718

Rectangle

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



63.9127, 81.6110, 106.9917



72.8696, 81.6110, 138.9732



93.0435, 81.6110, 72.9029



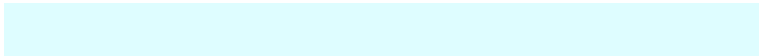
82.4658, 81.6110, 52.5260

Sweetspot

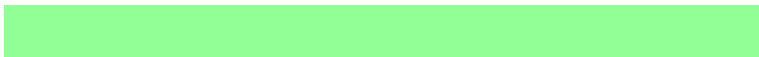
The Sweet Spot groups the original color and five complimentary colors.



63.9149, 81.6141, 106.9922



83.4098, 93.2891, 108.2182



52.8365, 79.6996, 40.8952



17.4733, 19.7462, 23.1404



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.



63.9149, 81.6141, 106.9922



60.0016, 79.1244, 106.7179



49.5437, 52.8718, 102.2018



18.4800, 20.3316, 23.2003



26.2752, 37.4599, 55.2802



2.5793, 3.6893, 5.3894

Inverse Universe

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



68.6222, 48.4147, 96.1742



65.3441, 42.1157, 94.2893



67.8655, 66.3330, 36.0167



18.7549, 18.2853, 22.5926



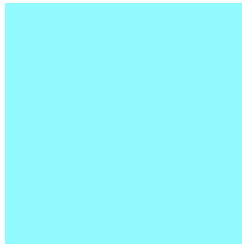
30.0507, 14.5096, 45.7789



2.9365, 1.4170, 4.5131

Previews

White Background



This preview shows how the XYZ color 63.9127, 81.6110, 106.9917 looks on a white background.

Color Contrast Check

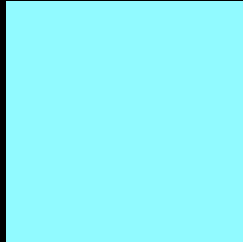
Large Text (above 18pt) WCAG AA × Fail

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 63.9127, 81.6110, 106.9917 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 63.9127, 81.6110, 106.9917

Background



This preview shows how black text looks on a background with the XYZ color 63.9127, 81.6110, 106.9917.

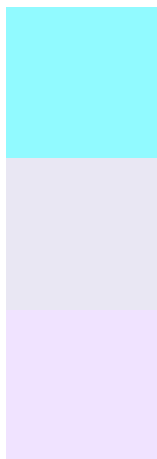


This preview shows how white text looks on a background with the XYZ color 63.9127, 81.6110,

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

63.9127, 81.6110, 106.9917

Protanopia

78.3578, 80.9465, 96.2884

Deuteranopia

81.4543, 80.6834, 105.8881



Tritanopia

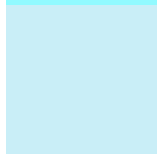
70.0518, 81.1634, 106.5817

Trichromacy



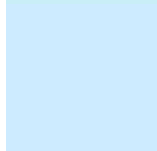
Original Color

63.9127, 81.6110, 106.9917



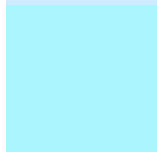
Protanomaly

71.4504, 80.2820, 99.7258



Deuteranomaly

72.9352, 79.6158, 106.1310



Tritanomaly

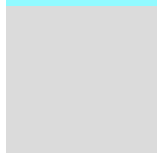
67.4970, 81.1827, 106.7201

Monochromacy



Original Color

63.9127, 81.6110, 106.9917



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.6005, 73.6263, 87.1504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9127, 81.6110, 106.9917 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(145, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 250, 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(145, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.9127, 81.6110, 106.9917 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(145, 250, 255) }
```


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

```
.border{ border-color:rgb(145, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9127, 81.6110, 106.9917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 250, 255) }
```

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

```
.background{ background-color: rgb(145,  
250, 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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