

Converting Colors

XYZ(75.2969, 83.8752,
163.6732)

Have a look what the booklet for
XYZ(75.2969, 83.8752, 163.6732)
contains.

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Color

**XYZ(64.4127, 79.5927,
106.5758)**

Conversions

Conversions Part 1

Format	Color
Hex	9CF5FF
RGB	156, 245, 255
RGB Percent	61%, 96%, 100%
CMY	0.3882, 0.0392, 0.0000
CMYK	0.39, 0.04, 0.00, 0.00
HSL	186°, 100%, 81%
HSV	186°, 39%, 100%
XYZ	64.4127, 79.5927, 106.5758
YIQ	219.5290, -56.2540, -15.7580

Conversions

Conversions Part 2

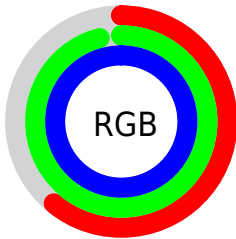
Format	Color
RYB	156, 203, 255
Decimal	10286591
CIELab	91.50, -24.18, -13.23
CIELCh	92, 27.566, 208.679
Yxy	79.5927, 0.2571, 0.3176
Android (android.graphics.Color)	4288476671 (0xFF9CF5FF)
YUV	219.5290, 17.4872, -55.7149
Hunter-Lab	89.2147, -27.2495, -8.3774

Details

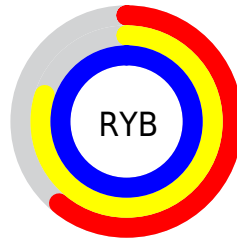
The XYZ color **64.4127, 79.5927, 106.5758** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.8774, 50.9329, 38.0769**, and the grayscale version is **67.6115, 71.1325, 77.4633**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **33.5362, 43.1251, 59.9825** is the 20% darker color. If you saturate the color by 10%, you get **59.2136, 75.7660, 106.1112**, and if you desaturate by 10%, it is **70.6627, 83.9810, 107.0934**.

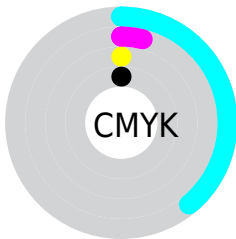
Distribution



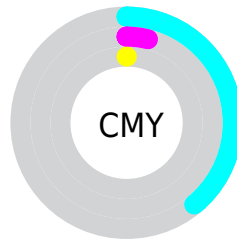
- Red (61%)
- Green (96%)
- Blue (100%)



- Red (61%)
- Yellow (80%)
- Blue (100%)



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4127, 79.5927, 106.5758 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 64.4127, 79.5927, 106.5758 by changing the saturation by 10% instead.

64.4127, 79.5927,
106.5758

64.4127, 79.5927,
106.5758

430.2571,
493.5591, 602.5016

47.2479, 59.3832,
81.1561

110.2755,
132.7929, 172.2953

33.4405, 42.9217,
60.1384

139.7042,
166.5525, 213.4322

22.6249, 29.8237,
43.1042

173.9517,
205.5976, 260.6452

14.4360, 19.7048,
29.6349

213.3832,
250.3125, 314.3530

8.5082, 12.1806,
19.3119

258.3642,
301.0818, 374.9739

4.4764, 6.8668,
11.7168

309.2599,

1.9750, 3.3790,

358.2897, 442.9267

6.4309

366.4358,
422.3207, 518.6297

■ 0.6199, 1.3326,
3.0359

■ 0.0000, 0.1663,
1.1130

■ 64.4127, 79.5927,
106.5758

■ 64.4127, 79.5927,
106.5758

■ 59.2136, 75.7660,
106.1112

■ 70.6627, 83.9810,
107.0934

■ 54.9935, 72.4581,
105.6951

■ 78.0168, 88.9529,
107.6654

■ 51.6818, 69.6345,
105.3246

■ 86.5323, 94.5396,
108.2950

■ 49.1955, 67.2523,
104.9959

95.0500, 100.0000,
108.9000

■ 47.4361, 65.2606,
104.7042

■ 46.2609, 63.5859,
104.4428

■ 46.1391, 63.3982,
104.4130

Harmonies

Analogous

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



62.9393, 79.5927, 85.7747



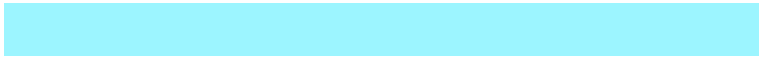
64.4127, 79.5927, 106.5758



68.8468, 79.5927, 124.0703

Triad

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



64.4127, 79.5927, 106.5758



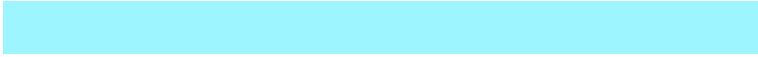
87.7806, 79.5927, 108.3576



75.9621, 79.5927, 53.4685

Complementary

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



64.4127, 79.5927, 106.5758



60.8774, 50.9329, 38.0769

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.



82.8883, 79.5927, 57.6494



64.4127, 79.5927, 106.5758



89.9672, 79.5927, 87.5572

Square

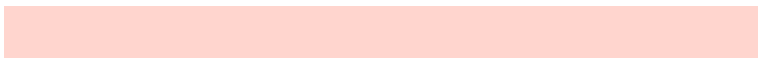
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.4127, 79.5927, 106.5758



82.3167, 79.5927, 125.2058



88.1247, 79.5927, 69.3991



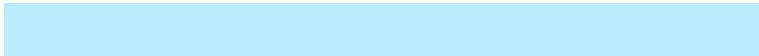
69.3542, 79.5927, 56.9729

Rectangle

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



64.4127, 79.5927, 106.5758



73.0309, 79.5927, 130.3764



88.1247, 79.5927, 69.3991



78.3319, 79.5927, 54.0081

Sweetspot

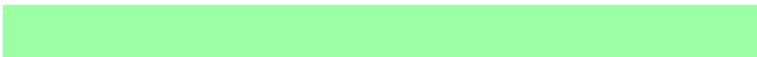
The Sweet Spot groups the original color and five complimentary colors.



64.4148, 79.5957, 106.5762



83.6968, 92.6957, 108.0885



56.3453, 81.3380, 48.7603



17.6726, 19.6825, 23.1176



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

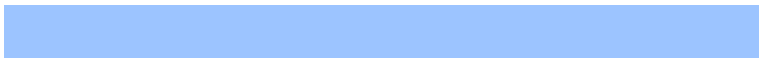
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4148, 79.5957, 106.5762



60.0860, 76.4238, 106.1921



51.4116, 53.5892, 102.2418



18.3889, 20.1494, 23.1700



24.1724, 33.2545, 54.5793



2.3970, 3.3246, 5.3287

Inverse Universe

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



69.6113, 51.6312, 92.6865



66.0872, 45.0948, 89.9346



71.6440, 72.4662, 41.6658



18.7090, 18.2669, 22.3505



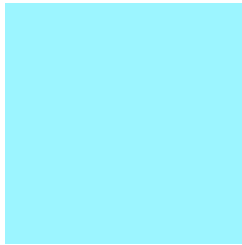
28.9893, 14.0850, 40.1898



2.8445, 1.3802, 4.0284

Previews

White Background



This preview shows how the XYZ color 64.4127, 79.5927, 106.5758 looks on a white background.

Color Contrast Check

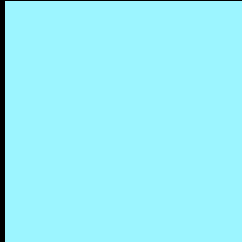
Large Text (above 18pt) WCAG AA × Fail

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 64.4127, 79.5927, 106.5758 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 64.4127, 79.5927, 106.5758

Background



This preview shows how black text looks on a background with the XYZ color 64.4127, 79.5927, 106.5758.

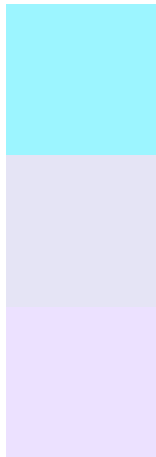


This preview shows how white text looks on a background with the XYZ color 64.4127, 79.5927,

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

64.4127, 79.5927, 106.5758

Protanopia

76.5379, 78.7374, 97.5501

Deuteranopia

79.5673, 78.9033, 105.6440



Tritanopia

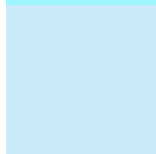
68.0325, 79.2435, 106.3176

Trichromacy



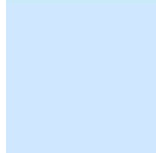
Original Color

64.4127, 79.5927, 106.5758



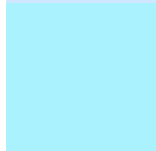
Protanomaly

70.8788, 78.2417, 100.9890



Deuteranomaly

72.6387, 78.1986, 105.8731



Tritanomaly

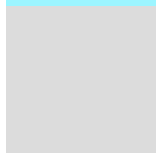
66.5967, 79.3822, 106.4200

Monochromacy



Original Color

64.4127, 79.5927, 106.5758



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.7532, 73.7921, 87.8685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4127, 79.5927, 106.5758 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(156, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 245, 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(156, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.4127, 79.5927, 106.5758 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(156, 245, 255) }
```


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

```
.border{ border-color:rgb(156, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 245, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 245, 255); box-shadow:4px 4px 4px 4px rgb(156, 245, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4127, 79.5927, 106.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 245, 255) }
```

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

```
.background{ background-color: rgb(156,  
245, 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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