

Converting Colors

XYZ(64.7433, 79.3509,
106.5117)

Have a look what the booklet for
XYZ(64.7433, 79.3509, 106.5117)
contains.

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Color

**XYZ(64.6988, 79.2923,
106.5027)**

Conversions

Conversions Part 1

Format	Color
Hex	9FF4FF
RGB	159, 244, 255
RGB Percent	62%, 96%, 100%
CMY	0.3765, 0.0431, 0.0000
CMYK	0.38, 0.04, 0.00, 0.00
HSL	187°, 100%, 81%
HSV	187°, 38%, 100%
XYZ	64.6988, 79.2923, 106.5027
YIQ	219.8390, -54.1910, -14.5990

Conversions

Conversions Part 2

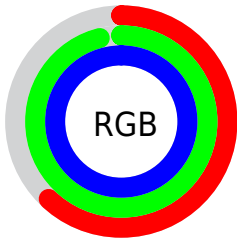
Format	Color
R_{YB}	159, 204, 255
Decimal	10482943
CIE _{Lab}	91.37, -22.95, -13.42
CIE _{LCh}	91, 26.586, 210.310
Yxy	79.2923, 0.2583, 0.3165
Android (android.graphics.Color)	4288673023 (0xFF9FF4FF)
YUV	219.8390, 17.3344, -53.3558
Hunter-Lab	89.0462, -26.1372, -8.5808

Details

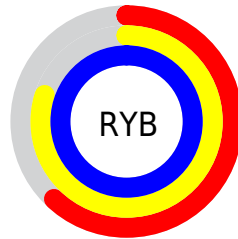
The XYZ color **64.6988, 79.2923, 106.5027** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.8732, 52.5129, 39.6779**, and the grayscale version is **67.8272, 71.3595, 77.7105**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **33.6558, 42.8684, 59.9267** is the 20% darker color. If you saturate the color by 10%, you get **59.2827, 75.2077, 105.9997**, and if you desaturate by 10%, it is **71.1761, 83.9485, 107.0600**.

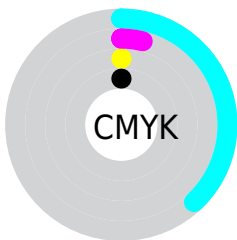
Distribution



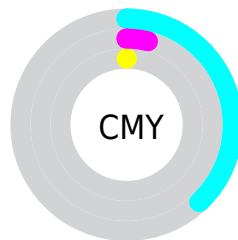
- Red (62%)
- Green (96%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6988, 79.2923, 106.5027 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 64.6988, 79.2923, 106.5027 by changing the saturation by 10% instead.


 64.6988, 79.2923,
106.5027


 64.6988, 79.2923,
106.5027

431.2711,
492.5446, 602.2696

 47.4807, 59.1362,
81.0952


 110.6848,
132.3703, 172.1946

 33.6253, 42.7227,
60.0885


 140.1835,
166.0609, 213.3160

 22.7675, 29.6676,
43.0642


174.5063,
205.0318, 260.5125

 14.5416, 19.5865,
29.6037

214.0187,
249.6675, 314.2026

 8.5826, 12.0948,
19.2885

259.0860,
300.3521, 374.8048

 4.5248, 6.8083,
11.7000

310.0737,

 2.0031, 3.3425,

357.4703, 442.7377

6.4197

367.3469,
421.4063, 518.4198

■ 0.6357, 1.3130,
3.0290

■ 0.0000, 0.1513,
1.1095

■ 64.6988, 79.2923,
106.5027

■ 64.6988, 79.2923,
106.5027

■ 59.2827, 75.2077,
105.9997

■ 71.1761, 83.9485,
107.0600

■ 54.8568, 71.6522,
105.5467

■ 78.7674, 89.1978,
107.6732

■ 51.3513, 68.5916,
105.1408

■ 87.5295, 95.0716,
108.3451

■ 48.6846, 65.9839,
104.7780

95.0500, 100.0000,
108.9000

■ 46.7605, 63.7793,
104.4539

■ 45.4519, 61.9123,
104.1624

■ 45.1896, 61.4992,
104.0965

Harmonies

Analogous

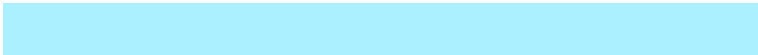
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.1085, 79.2923, 86.5374



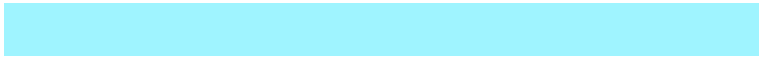
64.6988, 79.2923, 106.5027



69.1130, 79.2923, 122.8501

Triad

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



64.6988, 79.2923, 106.5027



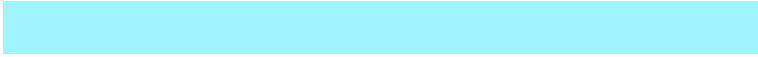
87.2208, 79.2923, 106.1019



75.2946, 79.2923, 54.2246

Complementary

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



64.6988, 79.2923, 106.5027



61.8732, 52.5129, 39.6779

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.



81.9830, 79.2923, 57.8851



64.6988, 79.2923, 106.5027



89.1137, 79.2923, 86.1346

Square

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



64.6988, 79.2923, 106.5027



82.1119, 79.2923, 122.5954



87.1433, 79.2923, 68.8904



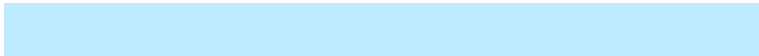
68.9981, 79.2923, 58.0395

Rectangle

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



64.6988, 79.2923, 106.5027



73.1999, 79.2923, 128.4393



87.1433, 79.2923, 68.8904



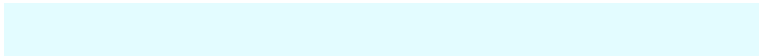
77.5723, 79.2923, 54.6144

Sweetspot

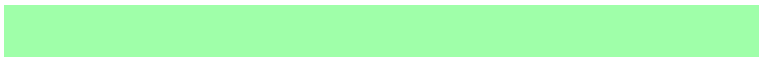
The Sweet Spot groups the original color and five complimentary colors.



64.7009, 79.2953, 106.5032



84.4563, 93.0299, 108.1130



57.1833, 81.7411, 50.1053



17.8195, 19.7400, 23.1210



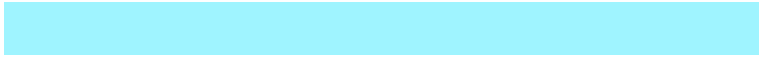
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.7009, 79.2953, 106.5032



60.6167, 76.2358, 106.1279



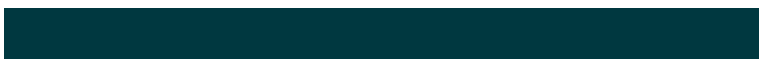
52.4068, 54.7070, 102.4051



18.3668, 20.1051, 23.1626



23.6834, 32.2765, 54.4163



2.3543, 3.2393, 5.3144

Inverse Universe

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



69.9687, 52.5897, 92.0544



66.6600, 46.4915, 89.3515



72.2087, 73.1840, 43.1230



18.6978, 18.2624, 22.2916



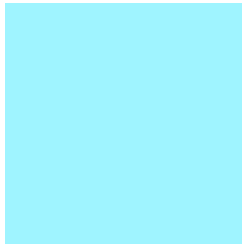
28.7425, 13.9863, 38.8901



2.8229, 1.3716, 3.9150

Previews

White Background



This preview shows how the XYZ color 64.6988, 79.2923, 106.5027 looks on a white background.

Color Contrast Check

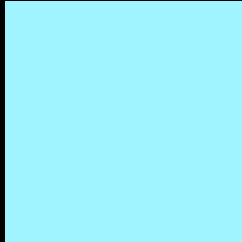
Large Text (above 18pt) WCAG AA × Fail

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 64.6988, 79.2923, 106.5027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

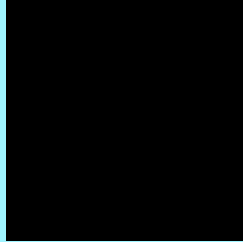
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.6988, 79.2923, 106.5027

Background



This preview shows how black text looks on a background with the XYZ color 64.6988, 79.2923, 106.5027.



This preview shows how white text looks on a background with the XYZ color 64.6988, 79.2923,

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





Tritanopia

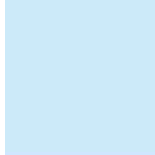
68.0325, 79.2435, 106.3176

Trichromacy



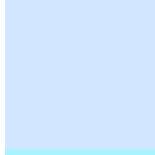
Original Color

64.6988, 79.2923, 106.5027



Protanomaly

71.4235, 78.5226, 101.0145



Deuteranomaly

72.6383, 77.7817, 105.7927



Tritanomaly

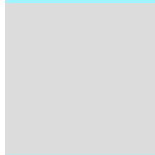
66.5186, 78.9012, 106.3313

Monochromacy



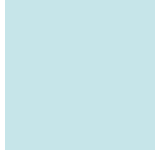
Original Color

64.6988, 79.2923, 106.5027



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.0160, 73.9276, 87.8808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6988, 79.2923, 106.5027 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(159, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 244, 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(159, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.6988, 79.2923, 106.5027 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(159, 244, 255) }
```


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

```
.border{ border-color:rgb(159, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6988, 79.2923, 106.5027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 244, 255) }
```

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

```
.background{ background-color: rgb(159,  
244, 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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