

Converting Colors

XYZ(63.7068, 77.8924,
106.2848)

Have a look what the booklet for
XYZ(63.7068, 77.8924, 106.2848)
contains.

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Color

**XYZ(63.7068, 77.8924,
106.2848)**

Conversions

Conversions Part 1

Format	Color
Hex	9DF2FF
RGB	157, 242, 255
RGB Percent	62%, 95%, 100%
CMY	0.3843, 0.0510, 0.0000
CMYK	0.38, 0.05, 0.00, 0.00
HSL	188°, 100%, 81%
HSV	188°, 38%, 100%
XYZ	63.7068, 77.8924, 106.2848
YIQ	218.0670, -54.8330, -13.9770

Conversions

Conversions Part 2

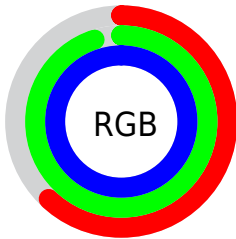
Format	Color
RYB	157, 203, 255
Decimal	10351359
CIELab	90.73, -22.47, -14.38
CIElCh	91, 26.677, 212.612
Yxy	77.8924, 0.2570, 0.3142
Android (android.graphics.Color)	4288541439 (0xFF9DF2FF)
YUV	218.0670, 18.2080, -53.5558
Hunter-Lab	88.2567, -25.6015, -9.6215

Details

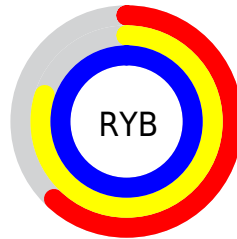
The XYZ color **63.7068, 77.8924, 106.2848** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.7009, 52.4440, 38.7710**, and the grayscale version is **66.5941, 70.0622, 76.2978**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **33.0075, 41.9044, 59.7748** is the 20% darker color. If you saturate the color by 10%, you get **58.2445, 73.5979, 105.7437**, and if you desaturate by 10%, it is **70.2301, 82.7652, 106.8815**.

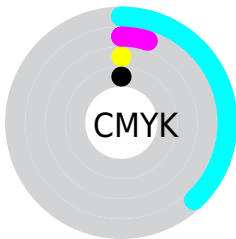
Distribution



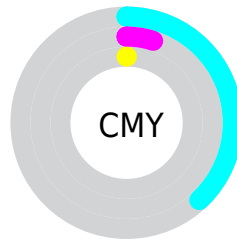
- Red (62%)
- Green (95%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7068, 77.8924, 106.2848 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 63.7068, 77.8924, 106.2848 by changing the saturation by 10% instead.

63.7068, 77.8924,
106.2848

63.7068, 77.8924,
106.2848

427.7491,
487.8013, 601.5778

46.6740, 57.9856,
80.9135

109.2647,
130.3984, 171.8944

32.9849, 41.7971,
59.9398

138.5205,
163.7664, 212.9697

22.2741, 28.9424,
42.9451

172.5814,
202.3903, 260.1169

14.1761, 19.0373,
29.5110

211.8127,
246.6544, 313.7543

8.3258, 11.6972,
19.2188

256.5797,
296.9432, 374.3005

4.3577, 6.5379,
11.6501

307.2479,

1.9064, 3.1748,

353.6410, 442.1742

6.3862

364.1826,
417.1323, 517.7937

■ 0.5806, 1.2237,
3.0088

■ 0.0000, 0.0809,
1.0991

■ 63.7068, 77.8924,
106.2848

■ 63.7068, 77.8924,
106.2848

■ 58.2445, 73.5979,
105.7437

■ 70.2301, 82.7652,
106.8815

■ 53.7717, 69.8391,
105.2540

■ 77.8676, 88.2384,
107.5354

■ 50.2180, 66.5815,
104.8125

■ 86.6765, 94.3433,
108.2495

■ 47.5007, 63.7822,
104.4154

95.0500, 100.0000,
108.9000

■ 45.5222, 61.3909,
104.0581

■ 44.1455, 59.3366,
103.7341

■ 43.9548, 59.0296,
103.6849

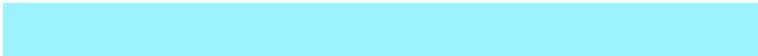
Harmonies

Analogous

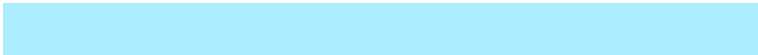
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.8992, 77.8924, 86.5037



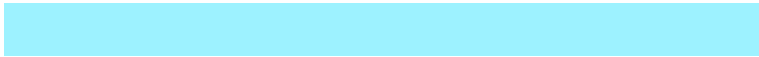
63.7068, 77.8924, 106.2848



68.2663, 77.8924, 121.9597

Triad

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



63.7068, 77.8924, 106.2848



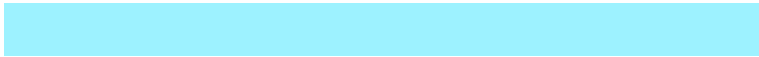
86.0692, 77.8924, 102.9363



73.4490, 77.8924, 53.0428

Complementary

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



63.7068, 77.8924, 106.2848



61.7009, 52.4440, 38.7710

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.



80.1186, 77.8924, 56.0951



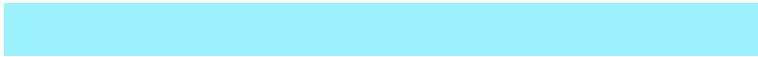
63.7068, 77.8924, 106.2848



87.6602, 77.8924, 83.1417

Square

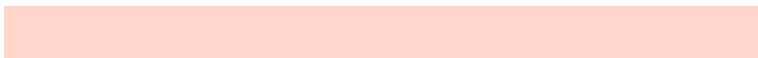
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.7068, 77.8924, 106.2848



81.1949, 77.8924, 119.8306



85.4218, 77.8924, 66.4448



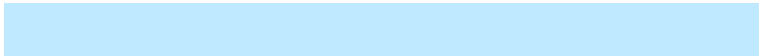
67.3077, 77.8924, 57.3809

Rectangle

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



63.7068, 77.8924, 106.2848



72.3906, 77.8924, 126.9022



85.4218, 77.8924, 66.4448



75.7029, 77.8924, 53.2389

Sweetspot

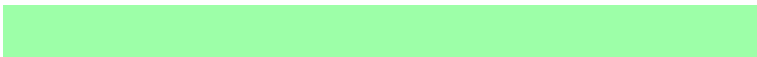
The Sweet Spot groups the original color and five complimentary colors.



63.7089, 77.8953, 106.2852



83.3937, 92.0894, 107.9875



56.7742, 81.5320, 50.0047



17.6008, 19.5388, 23.0937



0.0000, 0.0000, 0.0000



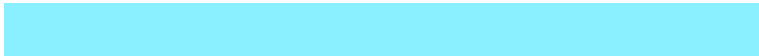
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7089, 77.8953, 106.2852



59.4784, 74.5911, 105.8704



51.3743, 53.2261, 102.1737



18.3373, 20.0462, 23.1528



23.0473, 31.0041, 54.2043



2.2986, 3.1279, 5.2959

Inverse Universe

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



69.3254, 51.7865, 90.3497



65.9312, 45.6093, 87.3344



72.2513, 73.5448, 42.2878



18.6829, 18.2565, 22.2133



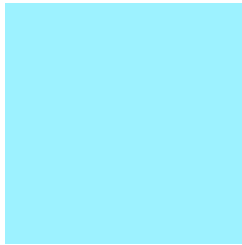
28.4214, 13.8578, 37.1991



2.7948, 1.3603, 3.7670

Previews

White Background



This preview shows how the XYZ color 63.7068, 77.8924, 106.2848 looks on a white background.

Color Contrast Check

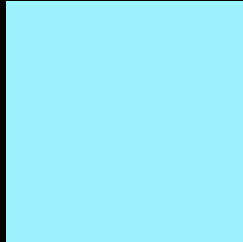
Large Text (above 18pt) WCAG AA × Fail

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 63.7068, 77.8924, 106.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

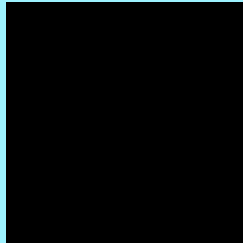
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7068, 77.8924, 106.2848

Background



This preview shows how black text looks on a background with the XYZ color 63.7068, 77.8924, 106.2848.

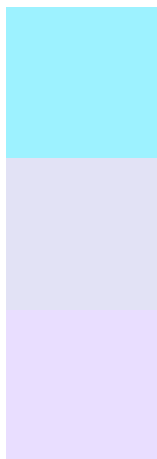


This preview shows how white text looks on a background with the XYZ color 63.7068, 77.8924,

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

63.7068, 77.8924, 106.2848

Protanopia

75.0418, 77.1540, 97.3233

Deuteranopia

77.7755, 76.7862, 105.3297



Tritanopia

66.1501, 77.8372, 106.1454

Trichromacy



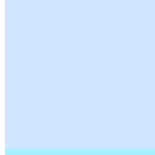
Original Color

63.7068, 77.8924, 106.2848



Protanomaly

70.0429, 76.9703, 100.7876



Deuteranomaly

71.2461, 76.2378, 105.5680



Tritanomaly

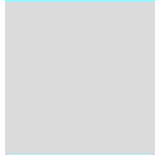
65.1464, 77.7557, 106.1825

Monochromacy



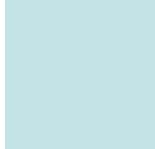
Original Color

63.7068, 77.8924, 106.2848



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.6578, 72.4435, 86.1765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7068, 77.8924, 106.2848 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(157, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 242, 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(157, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7068, 77.8924, 106.2848 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(157, 242, 255) }
```


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

```
.border{ border-color:rgb(157, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7068, 77.8924, 106.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 242, 255) }
```

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

```
.background{ background-color: rgb(157,  
242, 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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