

Converting Colors

XYZ(63.4099, 77.2987,
106.1858)

Have a look what the booklet for
XYZ(63.4099, 77.2987, 106.1858)
contains.

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Color

**XYZ(63.4099, 77.2987,
106.1858)**

Conversions

Conversions Part 1

Format	Color
Hex	9DF1FF
RGB	157, 241, 255
RGB Percent	62%, 95%, 100%
CMY	0.3843, 0.0549, 0.0000
CMYK	0.38, 0.05, 0.00, 0.00
HSL	189°, 100%, 81%
HSV	189°, 38%, 100%
XYZ	63.4099, 77.2987, 106.1858
YIQ	217.4800, -54.5580, -13.4540

Conversions

Conversions Part 2

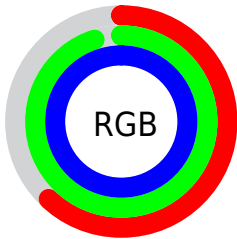
Format	Color
RYB	157, 202, 255
Decimal	10351103
CIELab	90.46, -21.98, -14.78
CIELCh	90, 26.490, 213.926
Yxy	77.2987, 0.2568, 0.3131
Android (android.graphics.Color)	4288541183 (0xFF9DF1FF)
YUV	217.4800, 18.4974, -53.0410
Hunter-Lab	87.9197, -25.1207, -10.0643

Details

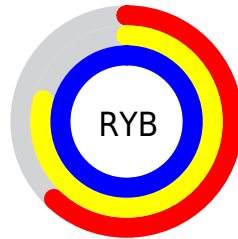
The XYZ color **63.4099, 77.2987, 106.1858** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.8890, 52.8202, 38.8336**, and the grayscale version is **66.1883, 69.6352, 75.8328**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **32.7975, 41.4845, 59.7048** is the 20% darker color. If you saturate the color by 10%, you get **57.8776, 72.8641, 105.6214**, and if you desaturate by 10%, it is **70.0061, 82.3175, 106.8069**.

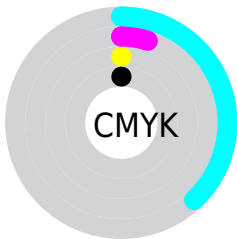
Distribution



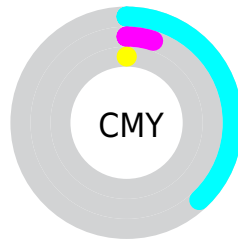
- Red (62%)
- Green (95%)
- Blue (100%)



- Red (62%)
- Yellow (79%)
- 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 63.4099, 77.2987, 106.1858 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 63.4099, 77.2987, 106.1858 by changing the saturation by 10% instead.

63.4099, 77.2987,
106.1858

63.4099, 77.2987,
106.1858

426.6916,
485.7818, 601.2633

46.4328, 57.4981,
80.8309

108.8392,
129.5610, 171.7580

32.7935, 41.4053,
59.8722

138.0220,
162.7915, 212.8124

22.1268, 28.6359,
42.8910

172.0041,
201.2674, 259.9371

14.0672, 18.8055,
29.4688

211.1509,
245.3731, 313.5505

8.2495, 11.5299,
19.1871

255.8277,
295.4930, 374.0714

4.3081, 6.4244,
11.6274

306.3999,

1.8779, 3.1048,

352.0115, 441.9181

6.3711

363.2327,
415.3130, 517.5092

■ 0.5639, 1.1867,
2.9996

■ 0.0000, 0.0508,
1.0944

■ 63.4099, 77.2987,
106.1858

■ 63.4099, 77.2987,
106.1858

■ 57.8776, 72.8641,
105.6214

■ 70.0061, 82.3175,
106.8069

■ 53.3376, 68.9710,
105.1093

■ 77.7196, 87.9426,
107.4861

■ 49.7197, 65.5849,
104.6464

■ 86.6075, 94.2054,
108.2265

■ 46.9410, 62.6628,
104.2288

95.0500, 100.0000,
108.9000

■ 44.9039, 60.1543,
103.8520

■ 43.4715, 57.9887,
103.5095

■ 43.2723, 57.6647,
103.4574

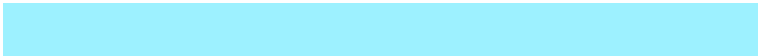
Harmonies

Analogous

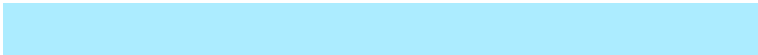
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.4930, 77.2987, 86.6850



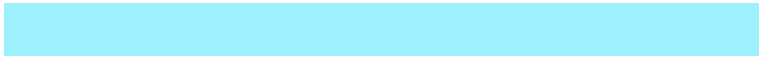
63.4099, 77.2987, 106.1858



68.0182, 77.2987, 121.3237

Triad

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



63.4099, 77.2987, 106.1858



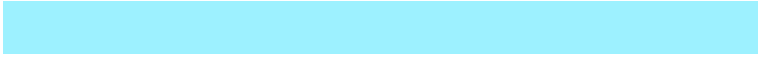
85.5021, 77.2987, 101.2193



72.6023, 77.2987, 52.7933

Complementary

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



63.4099, 77.2987, 106.1858



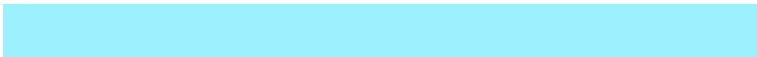
61.8890, 52.8202, 38.8336

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.



79.2058, 77.2987, 55.4929



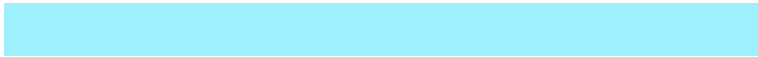
63.4099, 77.2987, 106.1858



86.9094, 77.2987, 81.6946

Square

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



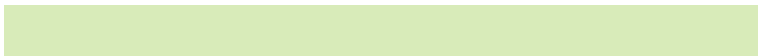
63.4099, 77.2987, 106.1858



80.8030, 77.2987, 118.1675



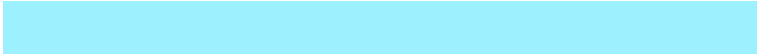
84.5418, 77.2987, 65.4210



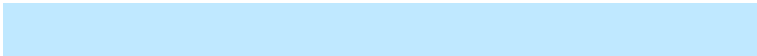
66.5949, 77.2987, 57.4046

Rectangle

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



63.4099, 77.2987, 106.1858



72.1320, 77.2987, 125.8503



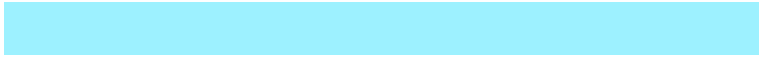
84.5418, 77.2987, 65.4210



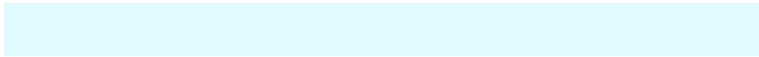
74.8247, 77.2987, 52.8806

Sweetspot

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



63.4120, 77.3016, 106.1863



83.2962, 91.8945, 107.9550



56.9278, 81.5935, 50.8138



17.5778, 19.4927, 23.0860



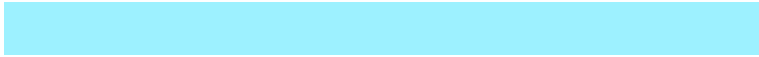
0.0000, 0.0000, 0.0000



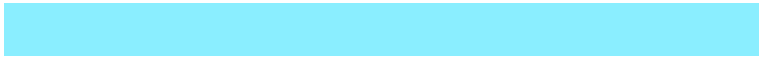
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4120, 77.3016, 106.1863



59.1282, 73.8909, 105.7537



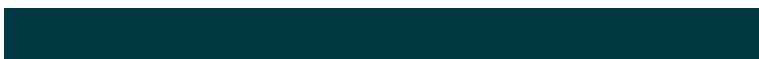
51.0112, 52.5001, 102.0527



18.3207, 20.0130, 23.1472



22.6955, 30.3005, 54.0870



2.2677, 3.0661, 5.2856

Inverse Universe

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



69.1755, 51.7265, 89.5607



65.7545, 45.5386, 86.4037



72.6755, 74.3931, 42.4290



18.6745, 18.2531, 22.1692



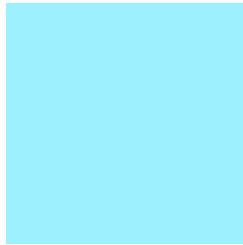
28.2438, 13.7868, 36.2640



2.7792, 1.3541, 3.6849

Previews

White Background



This preview shows how the XYZ color 63.4099, 77.2987, 106.1858 looks on a white background.

Color Contrast Check

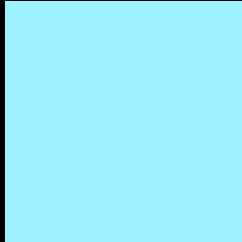
Large Text (above 18pt) WCAG AA × Fail

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 63.4099, 77.2987, 106.1858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

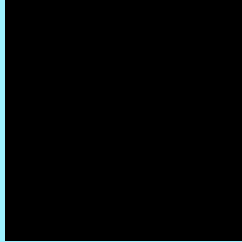
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4099, 77.2987, 106.1858

Background



This preview shows how black text looks on a background with the XYZ color 63.4099, 77.2987, 106.1858.

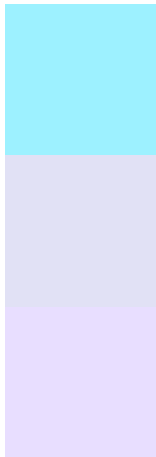


This preview shows how white text looks on a background with the XYZ color 63.4099, 77.2987,

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

63.4099, 77.2987, 106.1858

Protanopia

74.4580, 76.4506, 97.2183

Deuteranopia

77.4500, 76.6184, 105.3145



Tritanopia

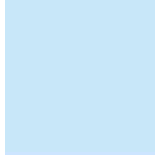
65.4191, 77.0270, 106.0275

Trichromacy



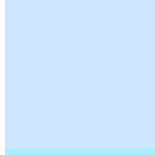
Original Color

63.4099, 77.2987, 106.1858



Protanomaly

69.4942, 76.2707, 100.6815



Deuteranomaly

71.2461, 76.2378, 105.5680



Tritanomaly

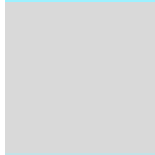
64.6424, 77.0600, 106.0748

Monochromacy



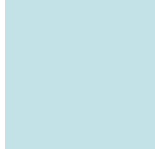
Original Color

63.4099, 77.2987, 106.1858



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

64.1258, 71.7643, 86.0734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4099, 77.2987, 106.1858 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 241, 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, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.4099, 77.2987, 106.1858 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, 241, 255) }
```


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

```
.border{ border-color:rgb(157, 241, 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, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4099, 77.2987, 106.1858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 241, 255) }
```

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

```
.background{ background-color: rgb(157,  
241, 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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