

Converting Colors

XYZ(63.9615, 72.4809,
105.2268)

Have a look what the booklet for
XYZ(63.9615, 72.4809, 105.2268)
contains.

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Color

**XYZ(63.9738, 72.4887,
105.2277)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E5FF
RGB	176, 229, 255
RGB Percent	69%, 90%, 100%
CMY	0.3098, 0.1019, 0.0000
CMYK	0.31, 0.10, 0.00, 0.00
HSL	200°, 100%, 85%
HSV	200°, 31%, 100%
XYZ	63.9738, 72.4887, 105.2277
YIQ	216.1170, -39.9340, -3.1500

Conversions

Conversions Part 2

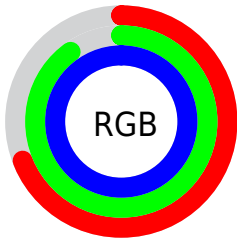
Format	Color
R _Y B	176, 208, 255
Decimal	11593215
CIE Lab	88.20, -10.97, -18.08
CIE LCh	88, 21.142, 238.754
Yxy	72.4887, 0.2647, 0.2999
Android (android.graphics.Color)	4289783295 (0xFFB0E5FF)
YUV	216.1170, 19.1693, -35.1826
Hunter-Lab	85.1403, -14.8719, -13.6803

Details

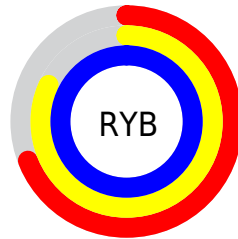
The XYZ color **63.9738, 72.4887, 105.2277** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.1972, 66.6355, 50.2383**, and the grayscale version is **65.2446, 68.6424, 74.7516**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **33.2143, 38.4143, 59.0902** is the 20% darker color. If you saturate the color by 10%, you get **56.4749, 65.2606, 104.2277**, and if you desaturate by 10%, it is **72.6719, 80.5052, 106.3166**.

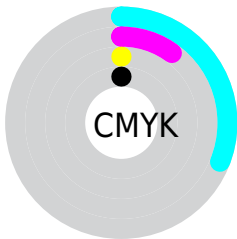
Distribution



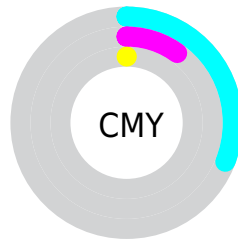
- Red (69%)
- Green (90%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9738, 72.4887, 105.2277 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 63.9738, 72.4887, 105.2277 by changing the saturation by 10% instead.

63.9738, 72.4887,
105.2277

63.9738, 72.4887,
105.2277

428.6987,
469.2408, 598.2155

46.8911, 53.5580,
80.0324

109.6471,
122.7511, 170.4372

33.1571, 38.2484,
59.2187

138.9685,
154.8515, 211.2884

22.4067, 26.1755,
42.3680

173.1000,
192.1107, 258.1955

14.2743, 16.9550,
29.0619

212.4072,
234.9129, 311.5767

8.3947, 10.2024,
18.8816

257.2552,
283.6427, 371.8509

4.4024, 5.5334,
11.4088

308.0096,

1.9322, 2.5635,

338.6843, 439.4363

6.2249

365.0357,
400.4222, 514.7517

■ 0.5955, 0.9083,
2.9113

■ 0.0000, 0.0000,
1.0495

■ 63.9738, 72.4887,
105.2277

■ 63.9738, 72.4887,
105.2277

■ 56.4749, 65.2606,
104.2277

■ 72.6719, 80.5052,
106.3166

■ 50.1068, 58.7780,
103.3121

■ 82.6207, 89.3335,
107.4963

■ 44.8032, 53.0060,
102.4775

■ 93.8760, 99.0066,
108.7701

■ 40.4878, 47.9030,
101.7200

■ 95.0500, 100.0000,
108.9000

■ 37.0731, 43.4213,
101.0349

■ 34.4546, 39.5045,
100.4169

■ 32.6291, 36.3782,
99.9097

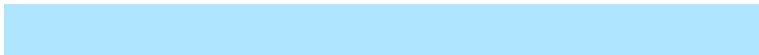
Harmonies

Analogous

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



60.7158, 72.4887, 93.1053



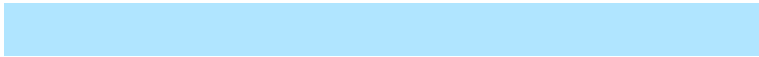
63.9738, 72.4887, 105.2277



68.6870, 72.4887, 110.1917

Triad

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



63.9738, 72.4887, 105.2277



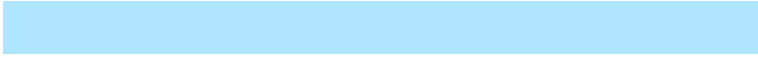
79.0904, 72.4887, 79.5352



64.3231, 72.4887, 56.9330

Complementary

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



63.9738, 72.4887, 105.2277



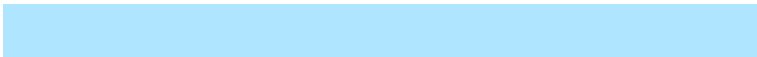
70.1972, 66.6355, 50.2383

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.



69.1101, 72.4887, 54.2190



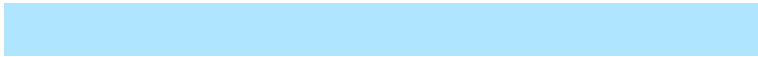
63.9738, 72.4887, 105.2277



77.7849, 72.4887, 66.2681

Square

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



63.9738, 72.4887, 105.2277



77.5558, 72.4887, 94.2816



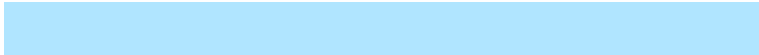
74.0693, 72.4887, 57.4216



60.9104, 72.4887, 65.3386

Rectangle

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



63.9738, 72.4887, 105.2277



72.0740, 72.4887, 108.3621



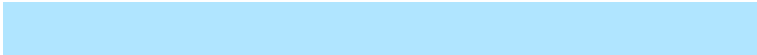
74.0693, 72.4887, 57.4216



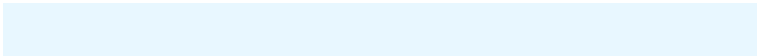
65.8173, 72.4887, 55.3738

Sweetspot

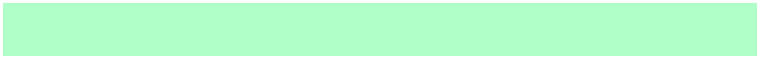
The Sweet Spot groups the original color and five complimentary colors.



63.9758, 72.4915, 105.2281



84.7428, 91.1799, 107.7408



64.2102, 84.9685, 68.2865



17.8034, 19.2250, 23.0224



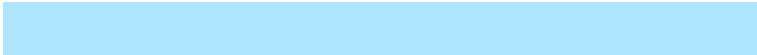
0.0000, 0.0000, 0.0000



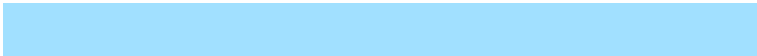
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9758, 72.4915, 105.2281



59.3202, 68.0461, 104.6154



54.4743, 53.4884, 102.0609



18.0216, 19.4148, 23.0475



17.1917, 19.2931, 52.2524



1.7739, 2.0785, 5.1210

Inverse Universe

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



70.9095, 57.9695, 81.5837



67.3718, 52.0068, 76.9741



80.3894, 87.0199, 53.6357



18.5236, 18.1927, 21.3742



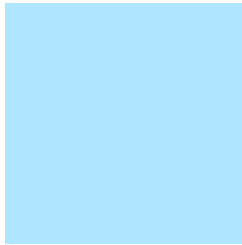
25.4658, 12.6756, 21.6351



2.5300, 1.2544, 2.3723

Previews

White Background



This preview shows how the XYZ color 63.9738, 72.4887, 105.2277 looks on a white background.

Color Contrast Check

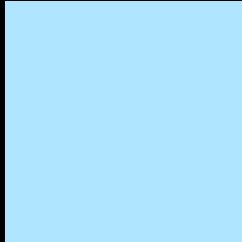
Large Text (above 18pt) WCAG AA × Fail

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 63.9738, 72.4887, 105.2277 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 63.9738, 72.4887, 105.2277

Background



This preview shows how black text looks on a background with the XYZ color 63.9738, 72.4887, 105.2277.

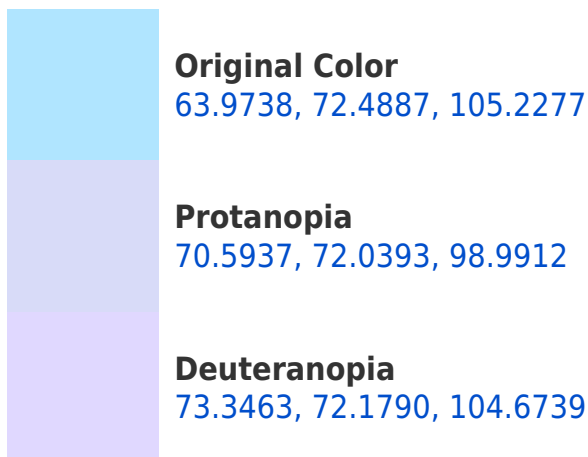


This preview shows how white text looks on a background with the XYZ color 63.9738, 72.4887,

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

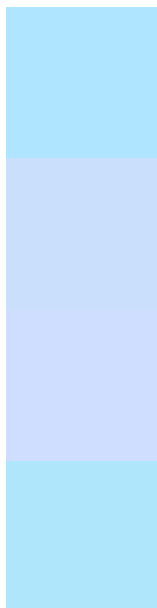




Tritanopia

63.0749, 72.5471, 100.3011

Trichromacy



Original Color

63.9738, 72.4887, 105.2277

Protanomaly

67.8877, 72.1579, 101.6166

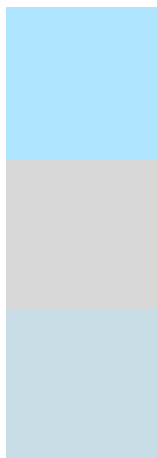
Deuteranomaly

69.6386, 72.1983, 104.8731

Tritanomaly

63.3886, 72.6726, 101.9531

Monochromacy



Original Color

63.9738, 72.4887, 105.2277

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.2268, 69.8436, 84.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9738, 72.4887, 105.2277 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(176, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 229, 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(176, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.9738, 72.4887, 105.2277 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(176, 229, 255) }
```


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

```
.border{ border-color:rgb(176, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9738, 72.4887, 105.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 229, 255) }
```

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

```
.background{ background-color: rgb(176,  
229, 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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