

Converting Colors

XYZ(63.5395, 71.1939,
105.0007)

Have a look what the booklet for
XYZ(63.5395, 71.1939, 105.0007)
contains.

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Color

**XYZ(63.3778, 70.9598,
104.9640)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E2FF
RGB	177, 226, 255
RGB Percent	69%, 89%, 100%
CMY	0.3059, 0.1137, 0.0000
CMYK	0.31, 0.11, 0.00, 0.00
HSL	202°, 100%, 85%
HSV	202°, 31%, 100%
XYZ	63.3778, 70.9598, 104.9640
YIQ	214.6550, -38.5130, -1.3690

Conversions

Conversions Part 2

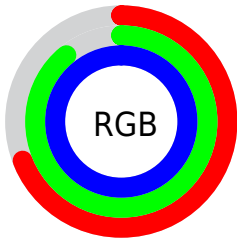
Format	Color
R_{YB}	177, 207, 255
Decimal	11657983
CIE _{Lab}	87.47, -9.15, -19.18
CIE _{LCh}	87, 21.254, 244.495
Yxy	70.9598, 0.2648, 0.2965
Android (android.graphics.Color)	4289848063 (0xFFB1E2FF)
YUV	214.6550, 19.8901, -33.0234
Hunter-Lab	84.2376, -13.1180, -14.9117

Details

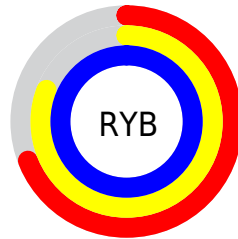
The XYZ color **63.3778, 70.9598, 104.9640** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.2473, 68.5767, 51.0783**, and the grayscale version is **64.2482, 67.5941, 73.6100**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **32.7820, 37.3406, 58.9057** is the 20% darker color. If you saturate the color by 10%, you get **55.5966, 63.2285, 103.8818**, and if you desaturate by 10%, it is **72.3907, 79.5411, 106.1453**.

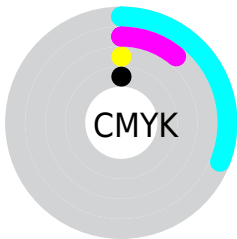
Distribution



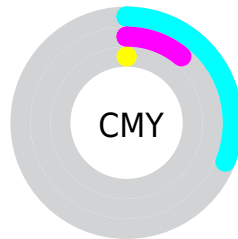
- Red (69%)
- Green (89%)
- Blue (100%)



- Red (69%)
- Yellow (81%)
- Blue (100%)



- Cyan (31%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3778, 70.9598, 104.9640 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 63.3778, 70.9598, 104.9640 by changing the saturation by 10% instead.

63.3778, 70.9598,
104.9640

63.3778, 70.9598,
104.9640

426.5772,
463.9129, 597.3752

46.4067, 52.3094,
79.8127

108.7931,
120.5765, 170.0734

32.7729, 37.2517,
59.0390

137.9681,
152.3115, 210.8687

22.1109, 25.4025,
42.2243

171.9417,
189.1770, 257.7156

14.0555, 16.3772,
28.9501

211.0793,
231.5571, 311.0329

8.2412, 9.7914,
18.7978

255.7464,
279.8364, 371.2389

4.3028, 5.2609,
11.3489

306.3081,

1.8748, 2.4011,

334.3992, 438.7523

6.1849

363.1299,
395.6299, 513.9915

■ 0.5621, 0.8265,
2.8873

■ 0.0000, 0.0000,
1.0374

■ 63.3778, 70.9598,
104.9640

■ 63.3778, 70.9598,
104.9640

■ 55.5966, 63.2285,
103.8818

■ 72.3907, 79.5411,
106.1453

■ 48.9783, 56.3031,
102.8939

■ 82.6875, 88.9975,
107.4279

■ 43.4561, 50.1476,
101.9968

■ 94.3243, 99.3628,
108.8153

■ 38.9533, 44.7187,
101.1863

■ 95.0500, 100.0000,
108.9000

■ 35.3821, 39.9677,
100.4574

■ 32.6381, 35.8368,
99.8047

■ 30.6558, 32.4316,
99.2519

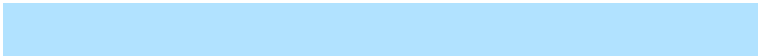
Harmonies

Analogous

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



59.8060, 70.9598, 93.9820



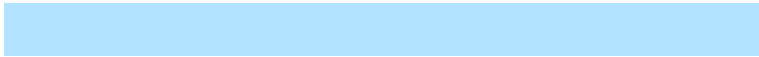
63.3778, 70.9598, 104.9640



68.2037, 70.9598, 108.1934

Triad

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



63.3778, 70.9598, 104.9640



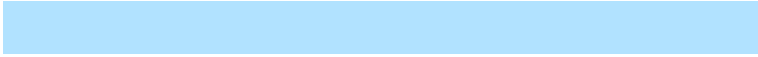
77.5221, 70.9598, 75.1189



62.1302, 70.9598, 56.6647

Complementary

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



63.3778, 70.9598, 104.9640



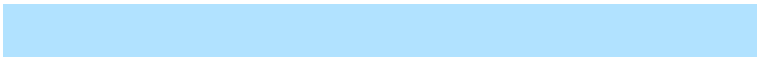
71.2473, 68.5767, 51.0783

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.



66.6922, 70.9598, 52.8729



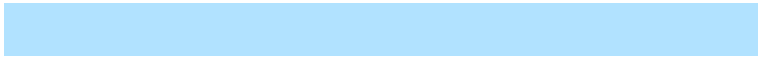
63.3778, 70.9598, 104.9640



75.7086, 70.9598, 62.6549

Square

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



63.3778, 70.9598, 104.9640



76.5278, 70.9598, 89.7746



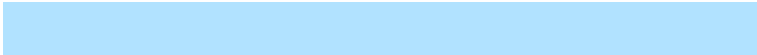
71.6829, 70.9598, 54.9227



59.1112, 70.9598, 65.9718

Rectangle

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



63.3778, 70.9598, 104.9640



71.5227, 70.9598, 105.2164



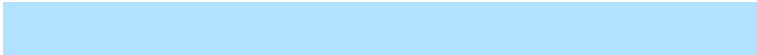
71.6829, 70.9598, 54.9227



63.5256, 70.9598, 54.7590

Sweetspot

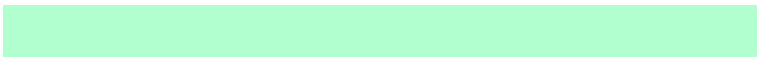
The Sweet Spot groups the original color and five complimentary colors.



63.3798, 70.9625, 104.9644



84.4433, 90.5809, 107.6410



64.9846, 85.3044, 71.1798



17.7295, 19.0771, 22.9978



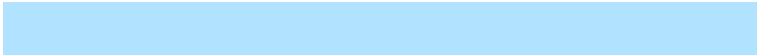
0.0000, 0.0000, 0.0000



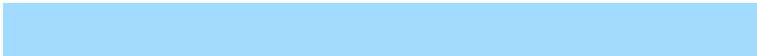
20.3446, 21.4041, 23.3091

Same Dimension

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



63.3798, 70.9625, 104.9644



58.2509, 65.9076, 104.2590



54.0382, 52.2794, 101.8506



17.9541, 19.2798, 23.0250



16.1662, 17.2420, 51.9106



1.6788, 1.8883, 5.0893

Inverse Universe

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



70.6909, 58.1969, 79.4618



66.8321, 51.7909, 74.1321



81.7078, 89.4978, 54.5651



18.4895, 18.1791, 21.1947



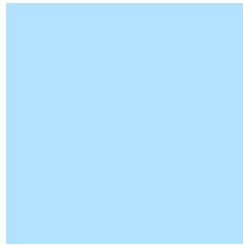
24.9482, 12.4686, 18.9093



2.4820, 1.2352, 2.1196

Previews

White Background



This preview shows how the XYZ color 63.3778, 70.9598, 104.9640 looks on a white background.

Color Contrast Check

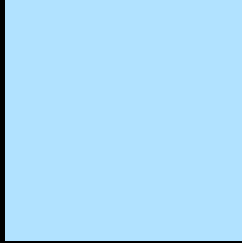
Large Text (above 18pt) WCAG AA × Fail

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 63.3778, 70.9598, 104.9640 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

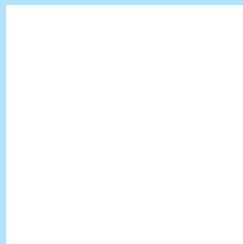
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3778, 70.9598, 104.9640

Background



This preview shows how black text looks on a background with the XYZ color 63.3778, 70.9598, 104.9640.



This preview shows how white text looks on a background with the XYZ color 63.3778, 70.9598,

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

63.3778, 70.9598, 104.9640

Protanopia

69.3523, 70.6114, 99.5966

Deuteranopia

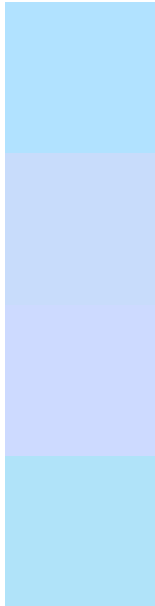
71.9154, 70.6853, 104.4610



Tritanopia

62.0572, 71.2546, 97.6715

Trichromacy



Original Color

63.3778, 70.9598, 104.9640

Protanomaly

66.8252, 70.4308, 101.3392

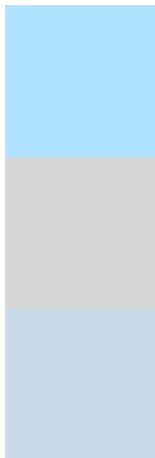
Deuteranomaly

68.2982, 70.3419, 104.5854

Tritanomaly

62.4725, 71.0078, 100.0358

Monochromacy



Original Color

63.3778, 70.9598, 104.9640

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.7018, 68.7937, 84.7840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3778, 70.9598, 104.9640 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(177, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 226, 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(177, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.3778, 70.9598, 104.9640 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(177, 226, 255) }
```


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

```
.border{ border-color:rgb(177, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3778, 70.9598, 104.9640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 226, 255) }
```

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

```
.background{ background-color: rgb(177,  
226, 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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