

Converting Colors

XYZ(63.6134, 79.1056, 82.2234)

Have a look what the booklet for
XYZ(63.6134, 79.1056, 82.2234)
contains.

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Color

**XYZ(63.7097, 79.3133,
82.4721)**

Conversions

Conversions Part 1

Format	Color
Hex	B0F4E0
RGB	176, 244, 224
RGB Percent	69%, 96%, 88%
CMY	0.3098, 0.0431, 0.1216
CMYK	0.28, 0.00, 0.08, 0.04
HSL	162°, 76%, 82%
HSV	162°, 28%, 96%
XYZ	63.7097, 79.3133, 82.4721
YIQ	221.3880, -34.1080, -20.6360

Conversions

Conversions Part 2

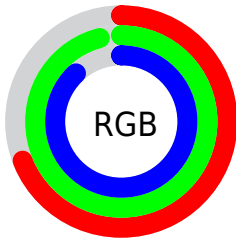
Format	Color
R _Y B	176, 216, 244
Decimal	11597024
CIE Lab	91.38, -25.25, 2.82
CIE LCh	91, 25.402, 173.626
Yxy	79.3133, 0.2825, 0.3517
Android (android.graphics.Color)	4289787104 (0xFFB0F4E0)
YUV	221.3880, 1.2877, -39.8053
Hunter-Lab	89.0580, -28.1574, 7.4352

Details

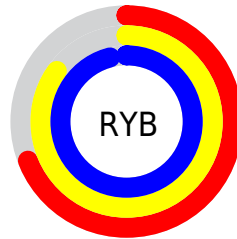
The XYZ color **63.7097, 79.3133, 82.4721** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.8001, 54.2713, 59.3933**, and the grayscale version is **69.0101, 72.6040, 79.0657**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **33.0298, 42.8960, 44.0750** is the 20% darker color. If you saturate the color by 10%, you get **57.7282, 76.3419, 77.2187**, and if you desaturate by 10%, it is **70.7284, 82.8188, 87.9919**.

Distribution



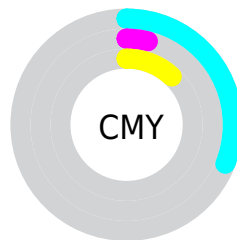
- Red (69%)
- Green (96%)
- Blue (88%)



- Red (69%)
- Yellow (85%)
- Blue (96%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)



- Cyan (31%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7097, 79.3133, 82.4721 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 63.7097, 79.3133, 82.4721 by changing the saturation by 10% instead.

63.7097, 79.3133,
82.4721

63.7097, 79.3133,
82.4721

427.7594,
492.6156, 523.1503

46.6764, 59.1534,
61.2167

109.2688,
132.3998, 138.6785

32.9868, 42.7366,
43.9684

138.5254,
166.0953, 174.4665

22.2755, 29.6785,
30.3086

172.5870,
205.0714, 215.9358

14.1772, 19.5947,
19.8189

211.8191,
249.7126, 263.5049

8.3265, 12.1008,
12.0807

256.5871,
300.4032, 317.5924

4.3582, 6.8124,
6.6755

307.2562,

1.9067, 3.3450,

357.5276, 378.6167

3.1846

364.1919,
421.4703, 446.9965

■ 0.5807, 1.3144,
1.1897

■ 0.0000, 0.1523,
0.0000

■ 63.7097, 79.3133,
82.4721

■ 63.7097, 79.3133,
82.4721

■ 57.7282, 76.3419,
77.2187

■ 70.7284, 82.8188,
87.9919

■ 52.7234, 73.8673,
72.2213

■ 78.8273, 86.8742,
93.7777

■ 48.6392, 71.8626,
67.4763

■ 88.0548, 91.5067,
99.8359

■ 45.4103, 70.2943,
62.9778

■ 91.2758, 93.0377,
105.8351

■ 42.9629, 69.1243,
58.7196

■ 91.6421, 93.1843,
107.7640

■ 41.2100, 68.3079,
54.6949

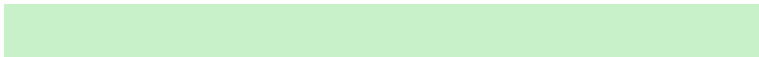
■ 40.0338, 67.7844,
50.8953

■ 39.8207, 67.6917,
50.1128

Harmonies

Analogous

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



65.8259, 79.3133, 66.9455



63.7097, 79.3133, 82.4721



64.5750, 79.3133, 101.4033

Triad

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



63.7097, 79.3133, 82.4721



80.4697, 79.3133, 123.1936



82.9884, 79.3133, 60.7819

Complementary

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



63.7097, 79.3133, 82.4721



62.8001, 54.2713, 59.3933

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.



87.3385, 79.3133, 72.8810



63.7097, 79.3133, 82.4721



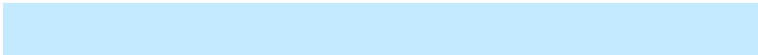
85.8273, 79.3133, 109.2030

Square

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



63.7097, 79.3133, 82.4721



74.0153, 79.3133, 126.7243



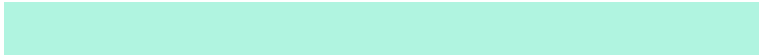
88.4059, 79.3133, 90.3655



76.7713, 79.3133, 55.6284

Rectangle

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



63.7097, 79.3133, 82.4721



66.7522, 79.3133, 113.2808



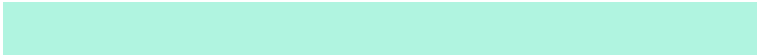
88.4059, 79.3133, 90.3655



84.7315, 79.3133, 64.0805

Sweetspot

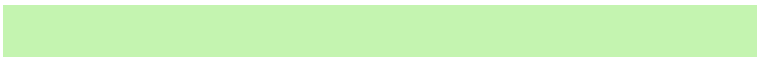
The Sweet Spot groups the original color and five complimentary colors.



63.7119, 79.3165, 82.4739



86.9878, 95.9537, 103.5581



63.0588, 79.6288, 53.1219



18.3138, 20.3850, 21.9553



0.0000, 0.0000, 0.0000



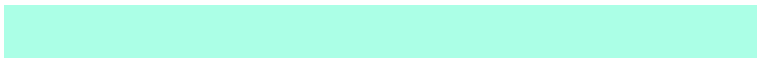
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7119, 79.3165, 82.4739



66.8396, 85.8882, 88.1002



62.6444, 72.5813, 96.2996



16.7768, 18.6699, 20.1091



21.7140, 36.8304, 27.5774



1.9533, 3.2550, 2.6597

Inverse Universe

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



62.8001, 54.2713, 59.3933



65.6932, 54.2966, 59.0058



63.4741, 59.0237, 49.1228



16.6996, 16.5627, 18.1649



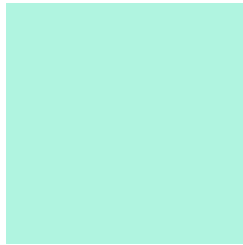
20.9699, 10.7314, 4.5500



1.8861, 0.9604, 0.6267

Previews

White Background



This preview shows how the XYZ color 63.7097, 79.3133, 82.4721 looks on a white background.

Color Contrast Check

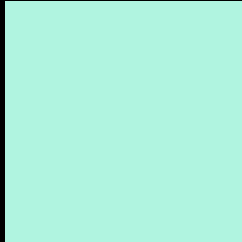
Large Text (above 18pt) WCAG AA × Fail

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 63.7097, 79.3133, 82.4721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

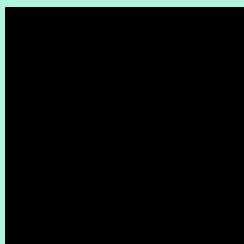
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

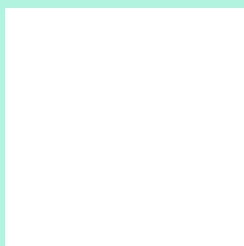
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7097, 79.3133, 82.4721

Background



This preview shows how black text looks on a background with the XYZ color 63.7097, 79.3133, 82.4721.

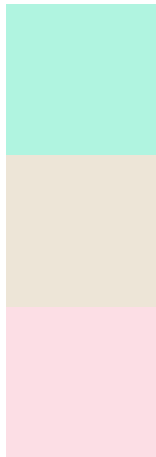


This preview shows how white text looks on a background with the XYZ color 63.7097, 79.3133,

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

63.7097, 79.3133, 82.4721

Protanopia

75.2101, 78.9494, 75.5647

Deuteranopia

80.4090, 78.5951, 85.0611



Tritanopia

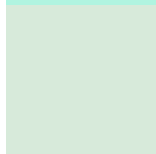
69.6108, 79.1879, 106.2237

Trichromacy



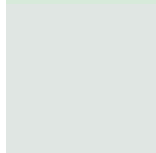
Original Color

63.7097, 79.3133, 82.4721



Protanomaly

70.1020, 78.3547, 77.7589



Deuteranomaly

72.9024, 77.9870, 83.8837



Tritanomaly

67.2564, 79.0422, 97.2998

Monochromacy



Original Color

63.7097, 79.3133, 82.4721



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.3810, 74.2917, 79.9483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7097, 79.3133, 82.4721 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, 244, 224)` looks like.

```
.text, #text, p{  
    color:rgb(176, 244, 224)  
}
```

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, 244, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 244, 224) }
```

Border

The CSS property to change the border of an element to XYZ 63.7097, 79.3133, 82.4721 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, 244, 224) }
```


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

```
.border{ border-color:rgb(176, 244, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 244, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 244, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 244, 224);  
box-shadow:4px 4px 4px 4px rgb(176, 244,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7097, 79.3133, 82.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 244, 224) }
```

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

```
.background{ background-color: rgb(176,  
244, 224) }
```

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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