

Converting Colors

XYZ(63.1672, 82.4002, 75.0254)

Have a look what the booklet for
XYZ(63.1672, 82.4002, 75.0254)
contains.

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Color

**XYZ(63.1754, 82.4058,
74.8636)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFBFD4
RGB	171, 251, 212
RGB Percent	67%, 98%, 83%
CMY	0.3294, 0.0157, 0.1686
CMYK	0.32, 0.00, 0.16, 0.02
HSL	151°, 91%, 83%
HSV	151°, 32%, 98%
XYZ	63.1754, 82.4058, 74.8636
YIQ	222.6340, -35.1610, -29.0890

Conversions

Conversions Part 2

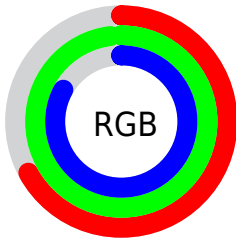
Format	Color
RYB	171, 224, 251
Decimal	11271124
CIELab	92.75, -32.41, 10.98
CIELCh	93, 34.221, 161.279
Yxy	82.4058, 0.2866, 0.3738
Android (android.graphics.Color)	4289461204 (0xFFABFBD4)
YUV	222.6340, -5.2426, -45.2830
Hunter-Lab	90.7776, -34.6363, 14.6484

Details

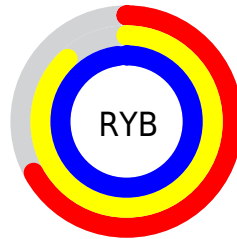
The XYZ color **63.1754, 82.4058, 74.8636** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.9822, 54.2901, 67.9773**, and the grayscale version is **69.9353, 73.5773, 80.1257**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.5800, 44.7309, 38.8151** is the 20% darker color. If you saturate the color by 10%, you get **56.7332, 79.2586, 66.8080**, and if you desaturate by 10%, it is **70.7773, 86.1418, 83.5877**.

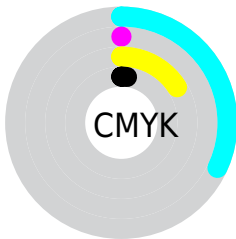
Distribution



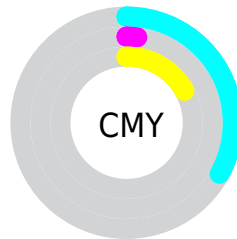
- Red (67%)
- Green (98%)
- Blue (83%)



- Red (67%)
- Yellow (88%)
- Blue (98%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (2%)





- Cyan (33%)
- Magenta (2%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1754, 82.4058, 74.8636 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 63.1754, 82.4058, 74.8636 by changing the saturation by 10% instead.


 63.1754, 82.4058,
74.8636

 63.1754, 82.4058,
74.8636


425.8553,
503.0041, 496.6915

 46.2423, 61.7001,
55.0001


 108.5029,
136.7429, 127.8646

 32.6425, 44.7904,
39.0032

137.6280,
171.1431, 161.8391

 22.0106, 31.2924,
26.4544


171.5479,
210.8769, 201.3545

 13.9814, 20.8216,
16.9351

210.6278,
256.3288, 246.8291

 8.1893, 12.9936,
10.0267

255.2331,
307.8830, 298.6816

 4.2692, 7.4242,
5.3108

305.7293,

 1.8555, 3.7288,

365.9240, 357.3305

2.3689

362.4816,
430.8362, 423.1943

■ 0.5508, 1.5230,
0.7694

■ 0.0000, 0.3048,
0.0000

■ 63.1754, 82.4058,
74.8636

■ 63.1754, 82.4058,
74.8636

■ 56.7332, 79.2586,
66.8080

■ 70.7773, 86.1418,
83.5877

■ 51.3823, 76.6586,
59.3992

■ 79.5889, 90.4853,
92.9905

■ 47.0577, 74.5747,
52.6217

■ 89.6654, 95.4669,
103.0890

■ 43.6837, 72.9683,
46.4577

■ 93.7887, 97.4775,
108.4796

■ 41.1741, 71.7952,
40.8882

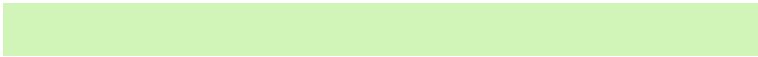
■ 39.4250, 71.0023,
35.8926

■ 38.4370, 70.5728,
32.2382

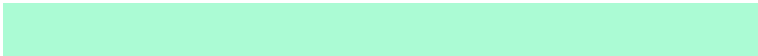
Harmonies

Analogous

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



67.5437, 82.4058, 57.6387



63.1754, 82.4058, 74.8636



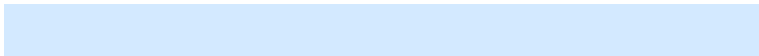
62.6774, 82.4058, 99.6815

Triad

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



63.1754, 82.4058, 74.8636



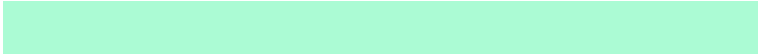
81.7274, 82.4058, 147.0419



91.9356, 82.4058, 61.0612

Complementary

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



63.1754, 82.4058, 74.8636



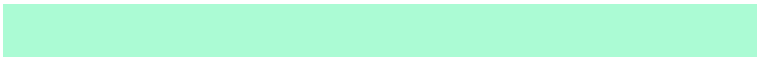
65.9822, 54.2901, 67.9773

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.



96.3799, 82.4058, 80.4562



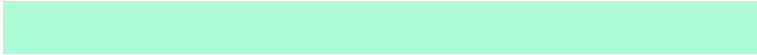
63.1754, 82.4058, 74.8636



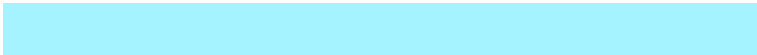
90.1948, 82.4058, 131.9406

Square

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



63.1754, 82.4058, 74.8636



72.9465, 82.4058, 144.7598



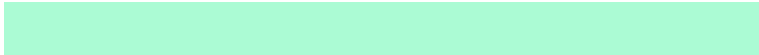
95.7196, 82.4058, 106.4355



83.9600, 82.4058, 50.7770

Rectangle

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



63.1754, 82.4058, 74.8636



64.5594, 82.4058, 117.7264



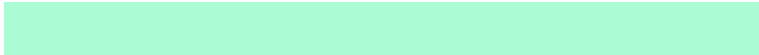
95.7196, 82.4058, 106.4355



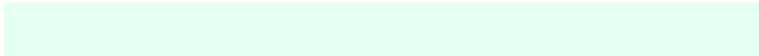
93.9185, 82.4058, 66.5595

Sweetspot

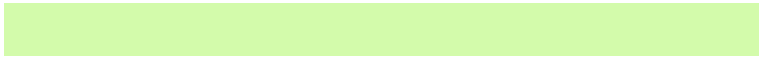
The Sweet Spot groups the original color and five complimentary colors.



63.1777, 82.4092, 74.8655



84.3454, 94.7054, 98.2871



68.7146, 85.7872, 51.4660



17.7543, 20.1232, 20.7307



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.



63.1777, 82.4092, 74.8655



61.2358, 83.3415, 72.3785



68.7071, 84.6210, 103.9832



17.3887, 19.4578, 20.2475



20.2771, 37.1238, 17.3343



1.9316, 3.4597, 1.8876

Inverse Universe

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



65.9822, 54.2901, 67.9773



64.5445, 50.1721, 64.2556



61.6996, 52.5770, 45.4255



17.5972, 17.3663, 19.7349



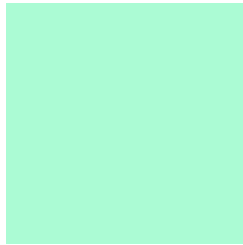
22.8435, 11.5531, 11.1500



2.1691, 1.0914, 1.3137

Previews

White Background



This preview shows how the XYZ color 63.1754, 82.4058, 74.8636 looks on a white background.

Color Contrast Check

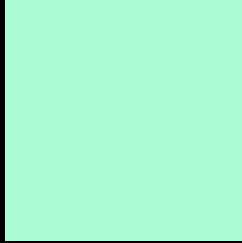
Large Text (above 18pt) WCAG AA × Fail

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 63.1754, 82.4058, 74.8636 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

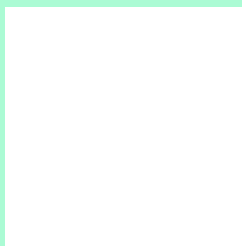
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1754, 82.4058, 74.8636

Background



This preview shows how black text looks on a background with the XYZ color 63.1754, 82.4058, 74.8636.



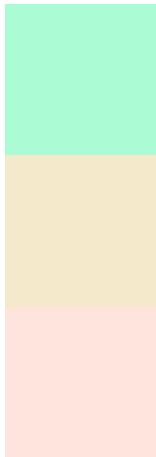
This preview shows how white text looks on a background with the XYZ color 63.1754, 82.4058,

74.8636.

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

63.1754, 82.4058, 74.8636

Protanopia

77.1078, 81.7752, 67.5973

Deuteranopia

81.7602, 81.4186, 79.8128



Tritanopia

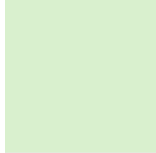
73.0585, 82.2727, 106.6374

Trichromacy



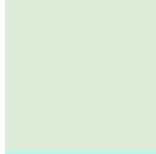
Original Color

63.1754, 82.4058, 74.8636



Protanomaly

70.9159, 81.5281, 70.3914



Deuteranomaly

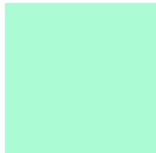
73.3908, 80.9002, 78.0768



Tritanomaly

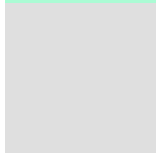
69.2187, 82.3556, 93.9094

Monochromacy



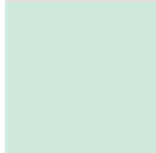
Original Color

63.1754, 82.4058, 74.8636



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.8269, 76.2297, 78.2095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1754, 82.4058, 74.8636 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(171, 251, 212)` looks like.

```
.text, #text, p{  
    color:rgb(171, 251, 212)  
}
```

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(171, 251, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 251, 212) }
```

Border

The CSS property to change the border of an element to XYZ 63.1754, 82.4058, 74.8636 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(171, 251, 212) }
```


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

```
.border{ border-color:rgb(171, 251, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 251, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 251, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 251, 212);  
box-shadow:4px 4px 4px 4px rgb(171, 251,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1754, 82.4058, 74.8636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 251, 212) }
```

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

```
.background{ background-color: rgb(171,  
251, 212) }
```

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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