

Converting Colors

XYZ(65.9829, 85.2715, 84.1399)

Have a look what the booklet for
XYZ(65.9829, 85.2715, 84.1399)
contains.

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Color

**XYZ(65.8270, 84.9778,
84.1671)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFEE1
RGB	171, 254, 225
RGB Percent	67%, 100%, 88%
CMY	0.3294, 0.0039, 0.1176
CMYK	0.33, 0.00, 0.11, 0.00
HSL	159°, 98%, 83%
HSV	159°, 33%, 100%
XYZ	65.8270, 84.9778, 84.1671
YIQ	225.8770, -40.1590, -26.6150

Conversions

Conversions Part 2

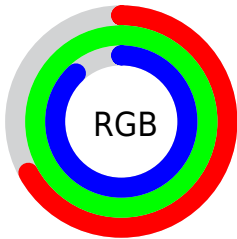
Format	Color
RYB	171, 221, 254
Decimal	11271905
CIELab	93.87, -31.22, 5.89
CIELCh	94, 31.767, 169.322
Yxy	84.9778, 0.2801, 0.3617
Android (android.graphics.Color)	4289461985 (0xFFABFEE1)
YUV	225.8770, -0.4324, -48.1271
Hunter-Lab	92.1834, -33.8564, 10.3943

Details

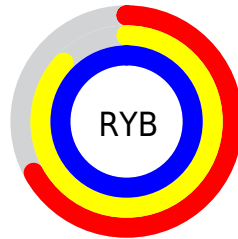
The XYZ color **65.8270, 84.9778, 84.1671** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.8642, 54.3689, 61.6698**, and the grayscale version is **72.2256, 75.9870, 82.7498**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **34.4244, 46.5478, 45.2005** is the 20% darker color. If you saturate the color by 10%, you get **59.6378, 81.9257, 77.7215**, and if you desaturate by 10%, it is **73.1470, 88.6101, 90.9978**.

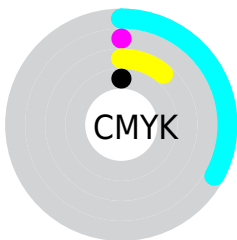
Distribution



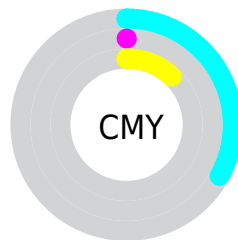
- Red (67%)
- Green (100%)
- Blue (88%)



- Red (67%)
- Yellow (87%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8270, 84.9778, 84.1671 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 65.8270, 84.9778, 84.1671 by changing the saturation by 10% instead.


 65.8270, 84.9778,
84.1671

 65.8270, 84.9778,
84.1671


435.2563,
511.5546, 528.9405

 48.3992, 63.8230,
62.6072


 112.2971,
140.3422, 141.0727

 34.3557, 46.5074,
45.0846


142.0701,
175.3205, 177.2555

 23.3311, 32.6464,
31.1806


176.6888,
215.6756, 219.1497

 14.9603, 21.8557,
20.4768

216.5187,
261.7917, 267.1739

 8.8776, 13.7509,
12.5546

261.9250,
314.0533, 321.7465

 4.7179, 7.9476,
6.9955

313.2731,

 2.1158, 4.0614,

372.8447, 383.2861

3.3809

370.9285,
438.5503, 452.2112

0.6978, 1.7080,
1.2922

0.0000, 0.4288,
0.0554

65.8270, 84.9778,
84.1671

65.8270, 84.9778,
84.1671

59.6378, 81.9257,
77.7215

73.1470, 88.6101,
90.9978

54.5103, 79.4115,
71.6474

81.6478, 92.8414,
98.2155

50.3784, 77.4035,
65.9386

91.3850, 97.7027,
105.8291

47.1658, 75.8625,
60.5862

94.7333, 99.3667,
108.7944

■ 44.7841, 74.7430,
55.5808

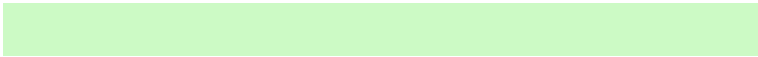
■ 43.1265, 73.9901,
50.9119

■ 42.2576, 73.6124,
47.6981

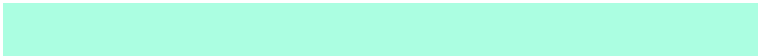
Harmonies

Analogous

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



69.0592, 84.9778, 65.3821



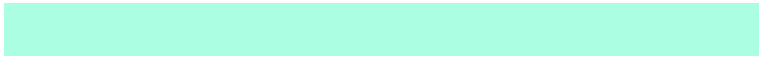
65.8270, 84.9778, 84.1671



66.3818, 84.9778, 108.7983

Triad

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



65.8270, 84.9778, 84.1671



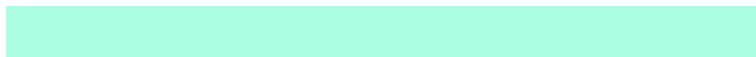
86.2669, 84.9778, 143.7691



91.8325, 84.9778, 61.5247

Complementary

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



65.8270, 84.9778, 84.1671



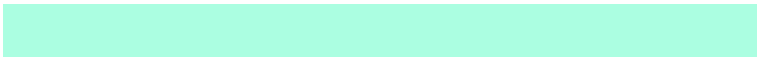
65.8642, 54.3689, 61.6698

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.



97.0976, 84.9778, 77.9636



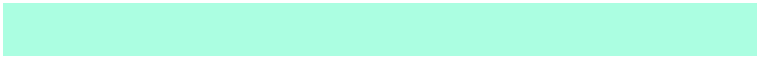
65.8270, 84.9778, 84.1671



93.7325, 84.9778, 126.3029

Square

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



65.8270, 84.9778, 84.1671



77.7947, 84.9778, 146.2190



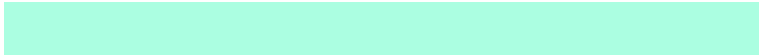
97.8162, 84.9778, 101.4216



83.8178, 84.9778, 53.9087

Rectangle

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



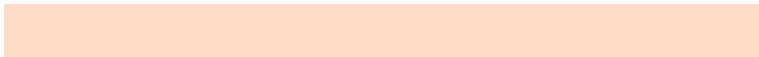
65.8270, 84.9778, 84.1671



68.8368, 84.9778, 125.2677



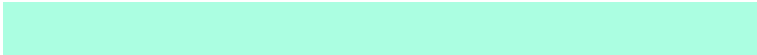
97.8162, 84.9778, 101.4216



94.0057, 84.9778, 66.0536

Sweetspot

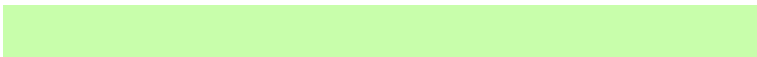
The Sweet Spot groups the original color and five complimentary colors.



65.8294, 84.9813, 84.1690



84.8812, 94.9197, 101.1086



66.6280, 86.1138, 51.6393



17.8841, 20.1751, 21.4140



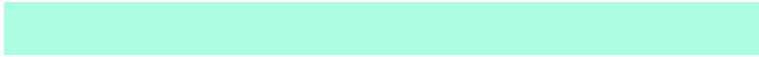
0.0000, 0.0000, 0.0000



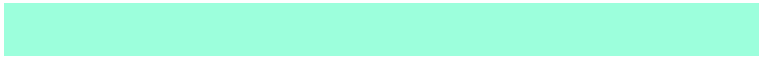
20.3446, 21.4041, 23.3091

Same Dimension

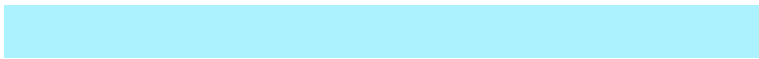
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8294, 84.9813, 84.1690



62.3348, 83.7237, 80.7587



66.3050, 79.0537, 105.5342



18.2695, 20.3673, 21.7220



22.3503, 38.8367, 25.5276



2.2279, 3.8021, 2.7579

Inverse Universe

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



65.8642, 54.3689, 61.6698



62.3802, 48.6170, 54.9836



65.2528, 58.0662, 46.2981



18.2714, 18.0919, 20.0465



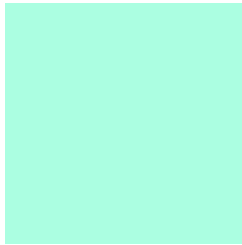
22.5567, 11.5120, 6.3162



2.2456, 1.1406, 0.8749

Previews

White Background



This preview shows how the XYZ color 65.8270, 84.9778, 84.1671 looks on a white background.

Color Contrast Check

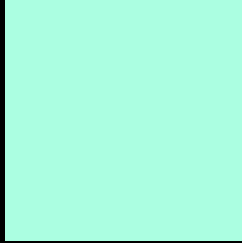
Large Text (above 18pt) WCAG AA × Fail

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 65.8270, 84.9778, 84.1671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

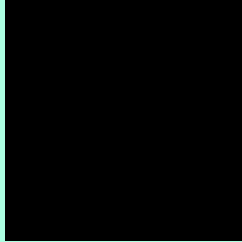
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

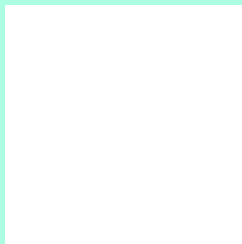
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8270, 84.9778, 84.1671

Background



This preview shows how black text looks on a background with the XYZ color 65.8270, 84.9778, 84.1671.



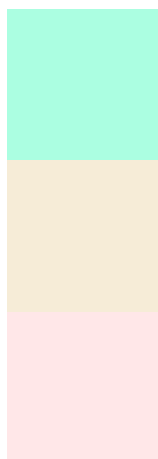
This preview shows how white text looks on a background with the XYZ color 65.8270, 84.9778,

84.1671.

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

65.8270, 84.9778, 84.1671

Protanopia

80.2672, 84.4900, 76.3676

Deuteranopia

84.3814, 84.2380, 88.1561



Tritanopia

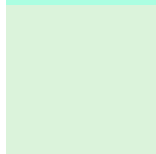
75.8327, 84.5866, 106.9378

Trichromacy



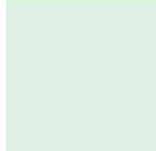
Original Color

65.8270, 84.9778, 84.1671



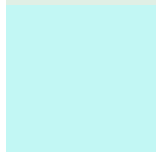
Protanomaly

74.0502, 84.2757, 79.3818



Deuteranomaly

75.7498, 83.2374, 86.2027



Tritanomaly

71.8380, 84.5225, 98.1162

Monochromacy



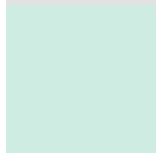
Original Color

65.8270, 84.9778, 84.1671



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.1765, 78.6037, 83.4775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8270, 84.9778, 84.1671 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, 254, 225)` looks like.

```
.text, #text, p{  
    color:rgb(171, 254, 225)  
}
```

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, 254, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 254, 225) }
```

Border

The CSS property to change the border of an element to XYZ 65.8270, 84.9778, 84.1671 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, 254, 225) }
```


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

```
.border{ border-color:rgb(171, 254, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 254, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 254, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 254, 225);  
box-shadow:4px 4px 4px 4px rgb(171, 254,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8270, 84.9778, 84.1671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 254, 225) }
```

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

```
.background{ background-color: rgb(171,  
254, 225) }
```

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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