

Converting Colors

XYZ(72.6169, 100.0000,
83.5767)

Have a look what the booklet for
XYZ(72.6169, 100.0000, 83.5767)
contains.

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Color

**XYZ(65.1733, 85.1755,
81.4121)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFDD
RGB	169, 255, 221
RGB Percent	66%, 100%, 87%
CMY	0.3372, 0.0000, 0.1333
CMYK	0.34, 0.00, 0.13, 0.00
HSL	156°, 100%, 83%
HSV	156°, 34%, 100%
XYZ	65.1733, 85.1755, 81.4121
YIQ	225.4100, -40.3420, -28.8060

Conversions

Conversions Part 2

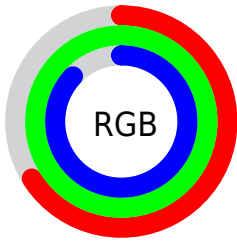
Format	Color
RYB	169, 223, 255
Decimal	11141085
CIELab	93.96, -33.05, 8.06
CIELCh	94, 34.021, 166.300
Yxy	85.1755, 0.2812, 0.3675
Android (android.graphics.Color)	4289331165 (0xFFA9FFDD)
YUV	225.4100, -2.1741, -49.4716
Hunter-Lab	92.2906, -35.4563, 12.3020

Details

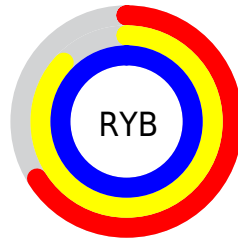
The XYZ color **65.1733, 85.1755, 81.4121** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.2079, 53.9486, 63.4238**, and the grayscale version is **71.8988, 75.6432, 82.3754**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **34.0164, 46.7187, 43.3012** is the 20% darker color. If you saturate the color by 10%, you get **58.9228, 82.1038, 74.3180**, and if you desaturate by 10%, it is **72.5728, 88.8301, 88.9837**.

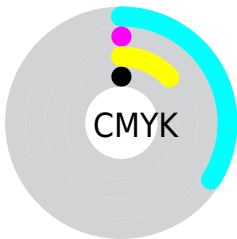
Distribution



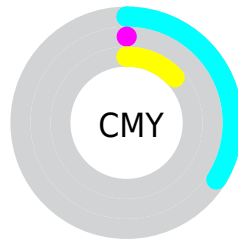
- Red (66%)
- Green (100%)
- Blue (87%)



- Red (66%)
- Yellow (87%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1733, 85.1755, 81.4121 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 65.1733, 85.1755, 81.4121 by changing the saturation by 10% instead.


 65.1733, 85.1755,
81.4121

 65.1733, 85.1755,
81.4121

432.9498,
512.2086, 519.5108

 47.8668, 63.9864,
60.3481

 111.3633,
140.6183, 137.1785

 33.9323, 46.6397,
43.2721


140.9775,
175.6409, 172.7180

 23.0042, 32.7509,
29.7657


175.4251,
216.0434, 213.9197

 14.7173, 21.9357,
19.4103

215.0713,
262.2102, 261.2022

 8.7063, 13.8096,
11.7873

260.2815,
314.5257, 314.9841

 4.6057, 7.9884,
6.4782

311.4211,

 2.0502, 4.0875,

373.3744, 375.6837

3.0645

368.8554,
439.1405, 443.7198

■ 0.6619, 1.7226,
1.1277

■ 0.0000, 0.4383,
0.0000

■ 65.1733, 85.1755,
81.4121

■ 65.1733, 85.1755,
81.4121

■ 58.9228, 82.1038,
74.3180

■ 72.5728, 88.8301,
88.9837

■ 53.7553, 79.5812,
67.6871

■ 81.1776, 93.0967,
97.0386

■ 49.6014, 77.5722,
61.5097

■ 91.0430, 98.0035,
105.5877

■ 46.3823, 76.0363,
55.7747

95.0500, 100.0000,
108.9000

■ 44.0069, 74.9267,
50.4696

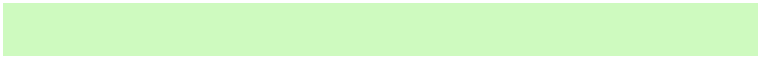
■ 42.3641, 74.1863,
45.5811

■ 41.6085, 73.8594,
42.7178

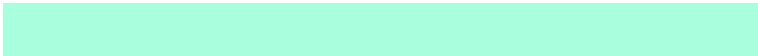
Harmonies

Analogous

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



68.9960, 85.1755, 62.3473



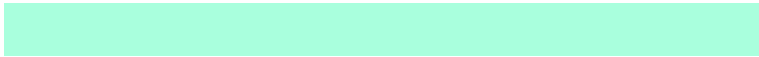
65.1733, 85.1755, 81.4121



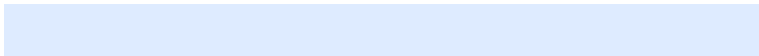
65.3506, 85.1755, 107.4718

Triad

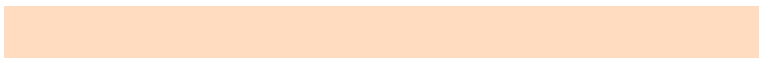
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.1733, 85.1755, 81.4121



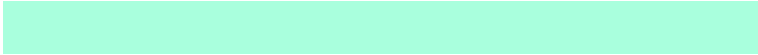
85.9488, 85.1755, 149.3898



93.6083, 85.1755, 61.1264

Complementary

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



65.1733, 85.1755, 81.4121



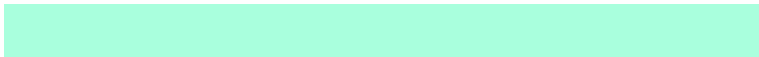
66.2079, 53.9486, 63.4238

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.



98.8685, 85.1755, 79.4229



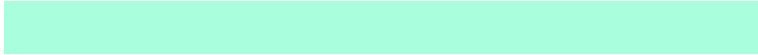
65.1733, 85.1755, 81.4121



94.2257, 85.1755, 131.6891

Square

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



65.1733, 85.1755, 81.4121



76.8976, 85.1755, 150.1967



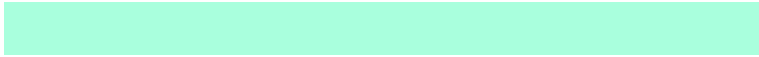
99.1025, 85.1755, 105.0763



85.1563, 85.1755, 52.2003

Rectangle

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



65.1733, 85.1755, 81.4121



67.7039, 85.1755, 125.5502



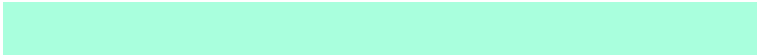
99.1025, 85.1755, 105.0763



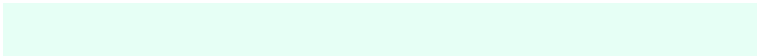
95.8352, 85.1755, 66.2131

Sweetspot

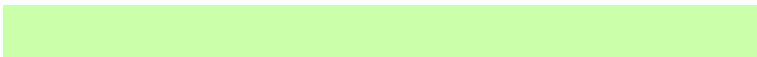
The Sweet Spot groups the original color and five complimentary colors.



65.1741, 85.1758, 81.4135



84.7019, 94.8480, 100.1645



67.6597, 87.1376, 50.7905



17.8406, 20.1577, 21.1851



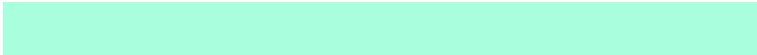
0.0000, 0.0000, 0.0000



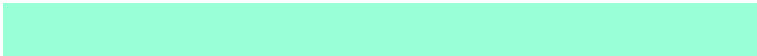
20.3446, 21.4041, 23.3091

Same Dimension

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



65.1741, 85.1758, 81.4135



61.1210, 83.1819, 76.9060



67.4903, 81.8106, 106.8416



18.2329, 20.3527, 21.5295



21.8170, 38.6234, 22.7191



2.1781, 3.7822, 2.4956

Inverse Universe

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



66.2079, 53.9486, 63.4238



62.2931, 47.9072, 56.6058



64.2430, 55.8073, 44.9232



18.3068, 18.1060, 20.2327



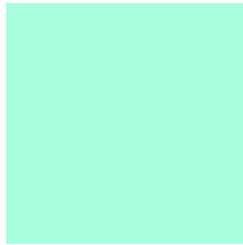
22.8397, 11.6252, 7.8064



2.2758, 1.1527, 1.0338

Previews

White Background



This preview shows how the XYZ color 65.1733, 85.1755, 81.4121 looks on a white background.

Color Contrast Check

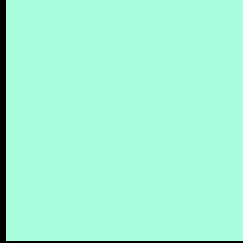
Large Text (above 18pt) WCAG AA × Fail

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 65.1733, 85.1755, 81.4121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

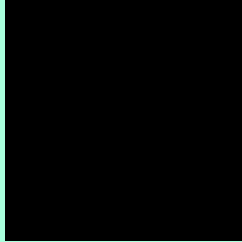
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

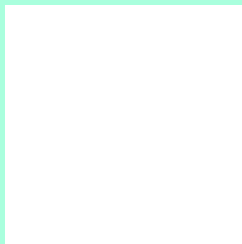
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1733, 85.1755, 81.4121

Background



This preview shows how black text looks on a background with the XYZ color 65.1733, 85.1755, 81.4121.



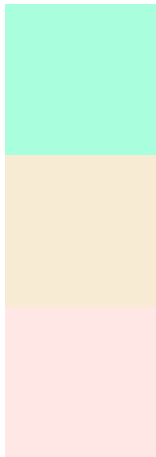
This preview shows how white text looks on a background with the XYZ color 65.1733, 85.1755,

81.4121.

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

65.1733, 85.1755, 81.4121

Protanopia

80.1111, 84.4682, 73.7097

Deuteranopia

84.0988, 84.1250, 86.6682



Tritanopia

75.8327, 84.5866, 106.9378

Trichromacy



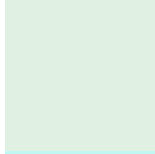
Original Color

65.1733, 85.1755, 81.4121



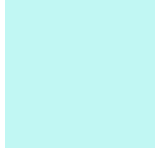
Protanomaly

73.5298, 84.0675, 76.6412



Deuteranomaly

75.7657, 83.7135, 84.8381



Tritanomaly

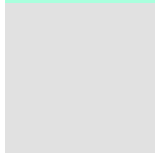
71.4307, 84.3300, 97.3065

Monochromacy



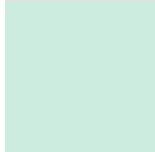
Original Color

65.1733, 85.1755, 81.4121



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.6268, 78.3519, 82.0274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1733, 85.1755, 81.4121 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(169, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 221)  
}
```

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(169, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 65.1733, 85.1755, 81.4121 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(169, 255, 221) }
```


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

```
.border{ border-color:rgb(169, 255, 221) }
```

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

Here you see how a box with a 4 pixel rgb(169, 255, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1733, 85.1755, 81.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 221) }
```

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

```
.background{ background-color: rgb(169,  
255, 221) }
```

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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