

Converting Colors

XYZ(72.8034, 100.0000,
81.9838)

Have a look what the booklet for
XYZ(72.8034, 100.0000, 81.9838)
contains.

| | |
|--|----|
| XYZ(65.4281, 85.3526, 79.3559) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(65.4281, 85.3526,
79.3559)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | ACFFDA |
| RGB | 172, 255, 218 |
| RGB Percent | 67%, 100%, 85% |
| CMY | 0.3255, 0.0000, 0.1451 |
| CMYK | 0.33, 0.00, 0.15, 0.00 |
| HSL | 153°, 100%, 84% |
| HSV | 153°, 33%, 100% |
| XYZ | 65.4281, 85.3526, 79.3559 |
| YIQ | 225.9650, -37.5910, -29.1030 |

Conversions

Conversions Part 2

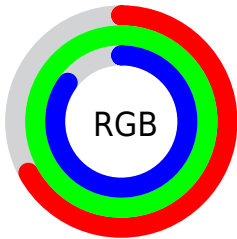
| Format | Color |
|-------------------------------------|--|
| RYB | 172, 225, 255 |
| Decimal | 11337690 |
| CIELab | 94.03, -32.81, 9.73 |
| CIElCh | 94, 34.220, 163.480 |
| Yxy | 85.3526, 0.2843, 0.3709 |
| Android (android.graphics.Color) | 4289527770 (0xFFACFFDA) |
| YUV | 225.9650, -3.9267, -47.3273 |
| Hunter-Lab | 92.3865, -35.2626, 13.7430 |

Details

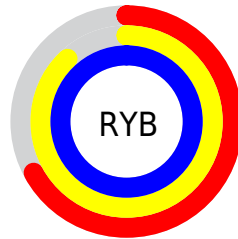
The XYZ color **65.4281, 85.3526, 79.3559** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.5016, 55.3693, 67.4514**, and the grayscale version is **72.3102, 76.0759, 82.8467**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **34.1411, 46.8144, 41.8870** is the 20% darker color. If you saturate the color by 10%, you get **58.9214, 82.1643, 71.5515**, and if you desaturate by 10%, it is **73.1122, 89.1360, 87.7508**.

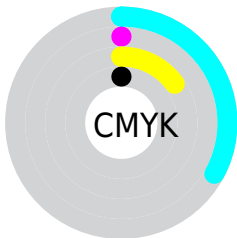
Distribution



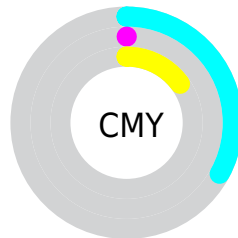
- Red (67%)
- Green (100%)
- Blue (85%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4281, 85.3526, 79.3559 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 65.4281, 85.3526, 79.3559 by changing the saturation by 10% instead.


 65.4281, 85.3526,
79.3559

 65.4281, 85.3526,
79.3559


433.8497,
512.7941, 512.4089

 48.0743, 64.1328,
58.6654


 111.7274,
140.8657, 134.2630

 34.0972, 46.7582,
41.9256


141.4036,
175.9278, 169.3167

 23.1315, 32.8446,
28.7179


175.9179,
216.3727, 209.9952

 14.8119, 22.0074,
18.6238

215.6358,
262.5849, 256.7170

 8.7729, 13.8623,
11.2247

260.9226,
314.9487, 309.9008

 4.6493, 8.0250,
6.1021

312.1436,

 2.0756, 4.1109,

373.8486, 369.9650

2.8375

369.6642,
439.6689, 437.3282

■ 0.6759, 1.7358,
1.0123

■ 0.0000, 0.4467,
0.0000

■ 65.4281, 85.3526,
79.3559

■ 65.4281, 85.3526,
79.3559

■ 58.9214, 82.1643,
71.5515

■ 73.1122, 89.1360,
87.7508

■ 53.5261, 79.5374,
64.3197

■ 82.0299, 93.5434,
96.7450

■ 49.1729, 77.4364,
57.6477

■ 92.2368, 98.6032,
106.3524

■ 45.7837, 75.8213,
51.5207

95.0500, 100.0000,
108.9000

■ 43.2681, 74.6457,
45.9227

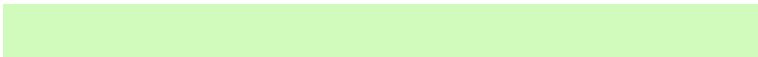
■ 41.5174, 73.8540,
40.8364

■ 40.5922, 73.4529,
37.3660

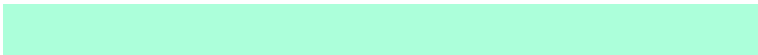
Harmonies

Analogous

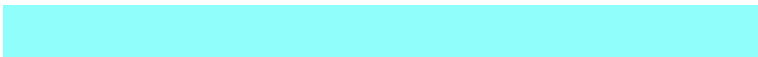
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6323, 85.3526, 61.0118



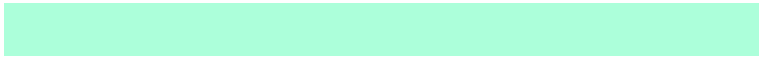
65.4281, 85.3526, 79.3559



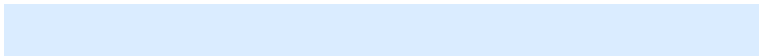
65.2195, 85.3526, 105.1572

Triad

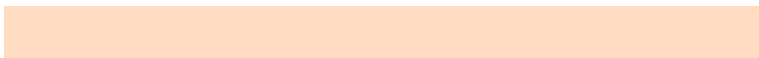
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.4281, 85.3526, 79.3559



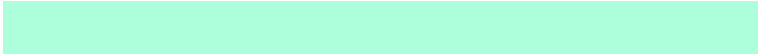
85.2876, 85.3526, 150.9174



94.5451, 85.3526, 62.4477

Complementary

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



65.4281, 85.3526, 79.3559



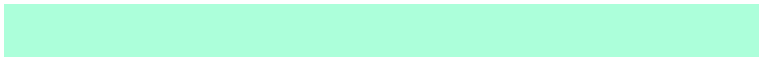
67.5016, 55.3693, 67.4514

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.



99.4268, 85.3526, 81.6976



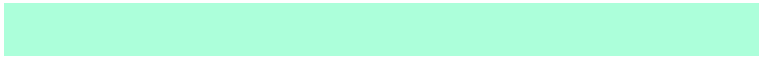
65.4281, 85.3526, 79.3559



93.8176, 85.3526, 134.4089

Square

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



65.4281, 85.3526, 79.3559



76.2339, 85.3526, 149.9655



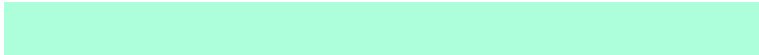
99.1510, 85.3526, 107.9798



86.2212, 85.3526, 52.5782

Rectangle

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



65.4281, 85.3526, 79.3559



67.3429, 85.3526, 123.5283



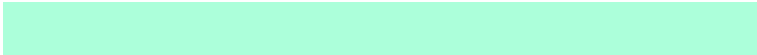
99.1510, 85.3526, 107.9798



96.6700, 85.3526, 67.8615

Sweetspot

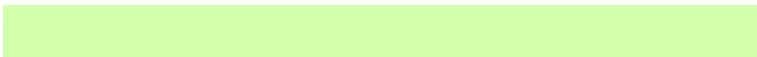
The Sweet Spot groups the original color and five complimentary colors.



65.4289, 85.3530, 79.3573



84.5063, 94.7698, 99.1344



69.6006, 88.1052, 52.3685



17.7933, 20.1387, 20.9357



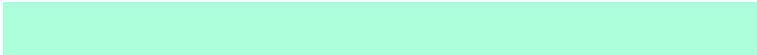
0.0000, 0.0000, 0.0000



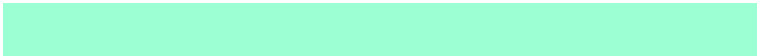
20.3446, 21.4041, 23.3091

Same Dimension

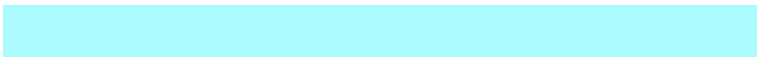
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4289, 85.3530, 79.3573



61.0997, 83.2296, 74.2547



69.5141, 84.8917, 107.3297



18.1930, 20.3367, 21.3193



21.2867, 38.4113, 19.9268



2.1277, 3.7620, 2.2301

Inverse Universe

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



67.5016, 55.3693, 67.4514



63.4646, 49.0508, 60.6941



64.2418, 55.3490, 46.3283



18.3459, 18.1217, 20.4385



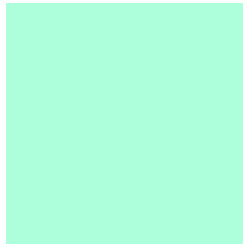
23.1986, 11.7687, 9.6962



2.3128, 1.1675, 1.2285

Previews

White Background



This preview shows how the XYZ color 65.4281, 85.3526, 79.3559 looks on a white background.

Color Contrast Check

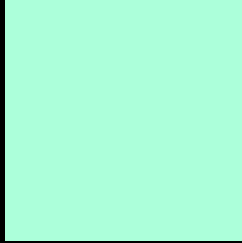
Large Text (above 18pt) WCAG AA × Fail

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 65.4281, 85.3526, 79.3559 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 65.4281, 85.3526, 79.3559

Background



This preview shows how black text looks on a background with the XYZ color 65.4281, 85.3526, 79.3559.



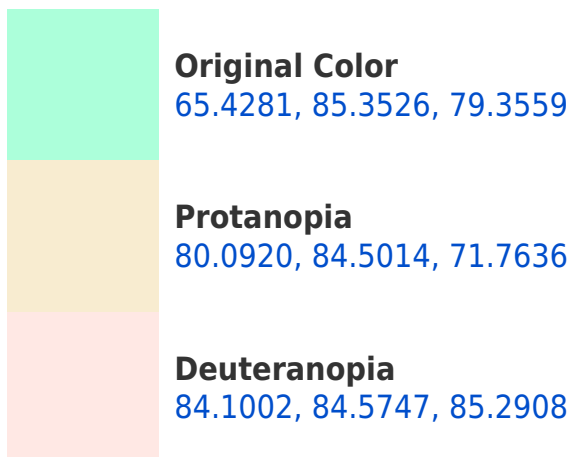
This preview shows how white text looks on a background with the XYZ color 65.4281, 85.3526,

79.3559.

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





Tritanopia

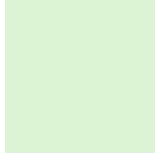
76.1130, 84.7311, 106.9509

Trichromacy



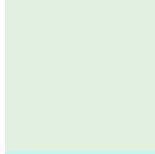
Original Color

65.4281, 85.3526, 79.3559



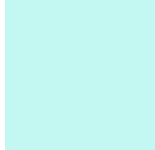
Protanomaly

73.4495, 84.0703, 74.6433



Deuteranomaly

75.6660, 83.7095, 82.6905



Tritanomaly

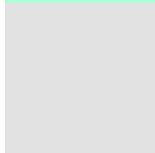
71.7935, 84.5344, 96.5373

Monochromacy



Original Color

65.4281, 85.3526, 79.3559



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.0571, 79.0179, 81.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4281, 85.3526, 79.3559 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(172, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 218)  
}
```

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(172, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 65.4281, 85.3526, 79.3559 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(172, 255, 218) }
```


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

```
.border{ border-color:rgb(172, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4281, 85.3526, 79.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 218) }
```

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

```
.background{ background-color: rgb(172,  
255, 218) }
```

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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