

Converting Colors

XYZ(65.9545, 85.5989, 80.5107)

Have a look what the booklet for
XYZ(65.9545, 85.5989, 80.5107)
contains.

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Color

**XYZ(65.9118, 85.5715,
80.7532)**

Conversions

Conversions Part 1

Format	Color
Hex	ADFFDC
RGB	173, 255, 220
RGB Percent	68%, 100%, 86%
CMY	0.3216, 0.0000, 0.1372
CMYK	0.32, 0.00, 0.14, 0.00
HSL	154°, 100%, 84%
HSV	154°, 32%, 100%
XYZ	65.9118, 85.5715, 80.7532
YIQ	226.4920, -37.6370, -28.2690

Conversions

Conversions Part 2

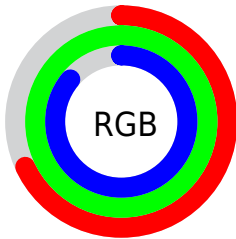
Format	Color
RYB	173, 225, 255
Decimal	11403228
CIELab	94.13, -32.13, 8.84
CIElCh	94, 33.322, 164.612
Yxy	85.5715, 0.2838, 0.3685
Android (android.graphics.Color)	4289593308 (0xFFADFFDC)
YUV	226.4920, -3.2006, -46.9125
Hunter-Lab	92.5049, -34.6982, 12.9955

Details

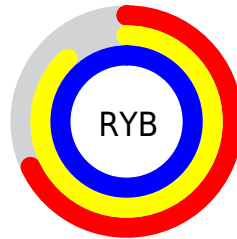
The XYZ color **65.9118, 85.5715, 80.7532** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.5692, 55.7021, 66.8650**, and the grayscale version is **72.6867, 76.4721, 83.2781**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **34.4568, 46.9563, 42.8447** is the 20% darker color. If you saturate the color by 10%, you get **59.4062, 82.3789, 73.1680**, and if you desaturate by 10%, it is **73.5890, 89.3572, 88.8859**.

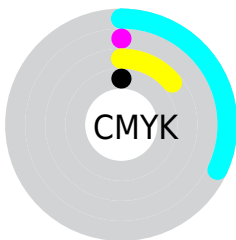
Distribution



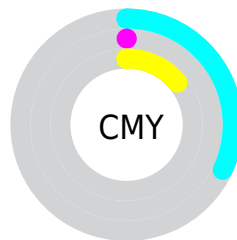
- Red (68%)
- Green (100%)
- Blue (86%)



- Red (68%)
- Yellow (88%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9118, 85.5715, 80.7532 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 65.9118, 85.5715, 80.7532 by changing the saturation by 10% instead.


 65.9118, 85.5715,
80.7532

 65.9118, 85.5715,
80.7532


435.5550,
513.5172, 517.2411

 48.4682, 64.3137,
59.8085


 112.4182,
141.1714, 136.2451

 34.4106, 46.9048,
42.8401


142.2117,
176.2822, 171.6295

 23.3736, 32.9604,
29.4292


176.8526,
216.7796, 212.6641

 14.9918, 22.0961,
19.1574

216.7062,
263.0478, 259.7677

 8.8999, 13.9275,
11.6061

262.1379,
315.4713, 313.3586

 4.7326, 8.0703,
6.3568

313.5130,

 2.1243, 4.1400,

374.4344, 373.8554

2.9909

371.1969,
440.3216, 441.6768

0.7024, 1.7522,
1.0900

0.0000, 0.4571,
0.0000

65.9118, 85.5715,
80.7532

65.9118, 85.5715,
80.7532

59.4062, 82.3789,
73.1680

73.5890, 89.3572,
88.8859

54.0065, 79.7458,
66.1140

82.4936, 93.7646,
97.5736

49.6441, 77.6370,
59.5796

92.6807, 98.8219,
106.8291

46.2414, 76.0128,
53.5516

95.0500, 100.0000,
108.9000

■ 43.7091, 74.8272,
48.0155

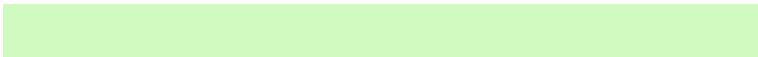
■ 41.9397, 74.0252,
42.9559

■ 40.9609, 73.6004,
39.3076

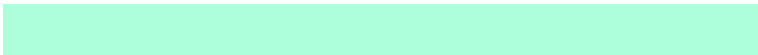
Harmonies

Analogous

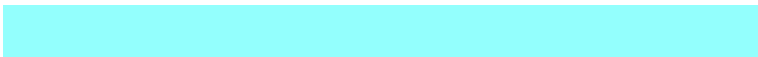
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8875, 85.5715, 62.4340



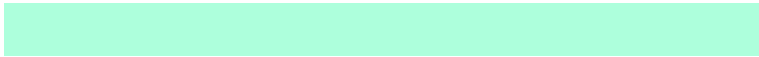
65.9118, 85.5715, 80.7532



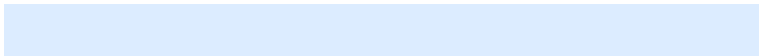
65.8596, 85.5715, 106.1034

Triad

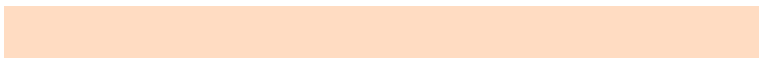
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.9118, 85.5715, 80.7532



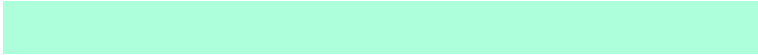
85.7310, 85.5715, 149.1557



94.1455, 85.5715, 62.7944

Complementary

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



65.9118, 85.5715, 80.7532



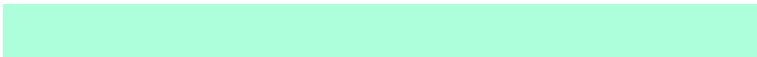
67.5692, 55.7021, 66.8650

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.



99.0582, 85.5715, 81.3379



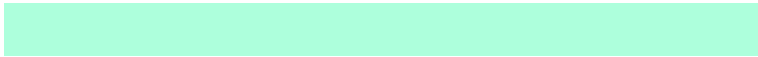
65.9118, 85.5715, 80.7532



93.9648, 85.5715, 132.6365

Square

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



65.9118, 85.5715, 80.7532



76.8723, 85.5715, 148.9205



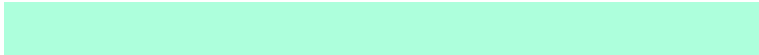
98.9898, 85.5715, 106.8047



85.9633, 85.5715, 53.4294

Rectangle

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



65.9118, 85.5715, 80.7532



68.0354, 85.5715, 123.9052



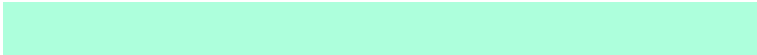
98.9898, 85.5715, 106.8047



96.2597, 85.5715, 67.9952

Sweetspot

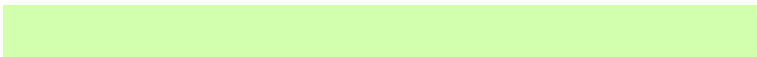
The Sweet Spot groups the original color and five complimentary colors.



65.9126, 85.5719, 80.7546



84.5797, 94.7991, 99.5207



69.4660, 88.0247, 52.8655



17.8110, 20.1458, 21.0292



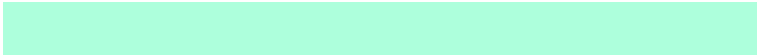
0.0000, 0.0000, 0.0000



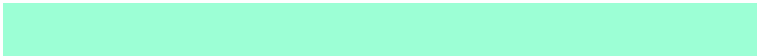
20.3446, 21.4041, 23.3091

Same Dimension

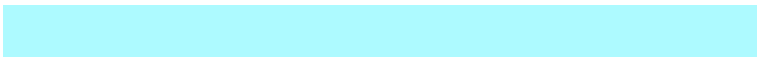
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9126, 85.5719, 80.7546



61.3370, 83.3245, 75.5042



69.3249, 84.1861, 107.2035



18.2080, 20.3427, 21.3981



21.4793, 38.4883, 20.9409



2.1461, 3.7694, 2.3271

Inverse Universe

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



67.5692, 55.7021, 66.8650



63.2458, 48.9633, 59.5416



64.7969, 56.3049, 46.9891



18.3311, 18.1158, 20.3610



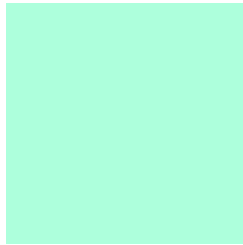
23.0577, 11.7124, 8.9542



2.2984, 1.1617, 1.1528

Previews

White Background



This preview shows how the XYZ color 65.9118, 85.5715, 80.7532 looks on a white background.

Color Contrast Check

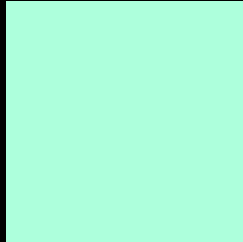
Large Text (above 18pt) WCAG AA × Fail

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 65.9118, 85.5715, 80.7532 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

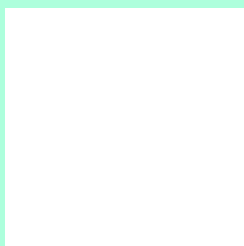
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9118, 85.5715, 80.7532

Background



This preview shows how black text looks on a background with the XYZ color 65.9118, 85.5715, 80.7532.



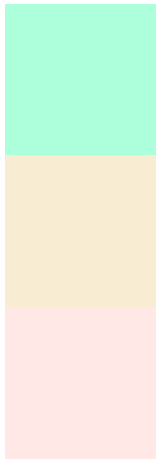
This preview shows how white text looks on a background with the XYZ color 65.9118, 85.5715,

80.7532.

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

65.9118, 85.5715, 80.7532

Protanopia

80.3397, 84.6005, 73.0679

Deuteranopia

84.3795, 84.6864, 86.7617



Tritanopia

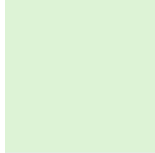
76.3951, 84.8765, 106.9641

Trichromacy



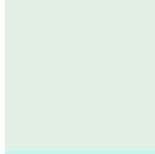
Original Color

65.9118, 85.5715, 80.7532



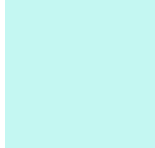
Protanomaly

74.0070, 84.3284, 75.9947



Deuteranomaly

75.9389, 83.8187, 84.1277



Tritanomaly

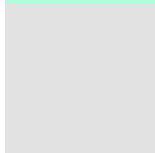
72.0527, 84.6681, 96.5494

Monochromacy



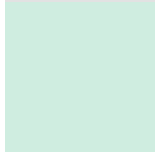
Original Color

65.9118, 85.5715, 80.7532



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.4709, 79.2156, 82.1496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9118, 85.5715, 80.7532 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(173, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 220)  
}
```

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(173, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 65.9118, 85.5715, 80.7532 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(173, 255, 220) }
```


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

```
.border{ border-color:rgb(173, 255, 220) }
```

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

Here you see how a box with a 4 pixel rgb(173, 255, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9118, 85.5715, 80.7532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 220) }
```

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

```
.background{ background-color: rgb(173,  
255, 220) }
```

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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