

Converting Colors

XYZ(75.3981, 105.8536,
85.8172)

Have a look what the booklet for
XYZ(75.3981, 105.8536, 85.8172)
contains.

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Color

**XYZ(64.8812, 85.0094,
82.0961)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FFDE
RGB	167, 255, 222
RGB Percent	65%, 100%, 87%
CMY	0.3451, 0.0000, 0.1294
CMYK	0.35, 0.00, 0.13, 0.00
HSL	158°, 100%, 83%
HSV	158°, 35%, 100%
XYZ	64.8812, 85.0094, 82.0961
YIQ	224.9260, -41.8550, -28.9190

Conversions

Conversions Part 2

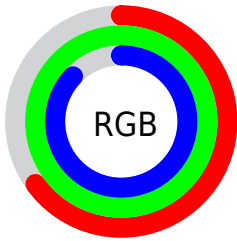
Format	Color
RYB	167, 221, 255
Decimal	11010014
CIELab	93.89, -33.40, 7.43
CIELCh	94, 34.220, 167.464
Yxy	85.0094, 0.2797, 0.3664
Android (android.graphics.Color)	4289200094 (0xFFA7FFDE)
YUV	224.9260, -1.4425, -50.8011
Hunter-Lab	92.2005, -35.7411, 11.7481

Details

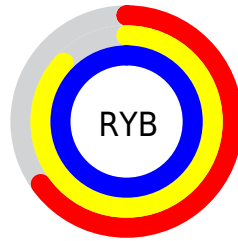
The XYZ color **64.8812, 85.0094, 82.0961** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.4847, 53.0687, 61.4360**, and the grayscale version is **71.5464, 75.2724, 81.9716**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **33.7247, 46.5577, 43.7683** is the 20% darker color. If you saturate the color by 10%, you get **58.7695, 82.0026, 75.3092**, and if you desaturate by 10%, it is **72.1295, 88.5937, 89.3185**.

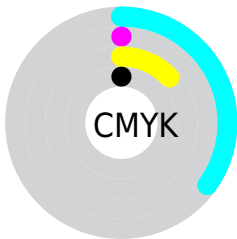
Distribution



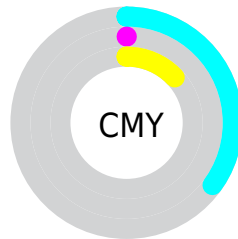
- Red (65%)
- Green (100%)
- Blue (87%)



- Red (65%)
- Yellow (87%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8812, 85.0094, 82.0961 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 64.8812, 85.0094, 82.0961 by changing the saturation by 10% instead.


 64.8812, 85.0094,
82.0961

 64.8812, 85.0094,
82.0961


431.9169,
511.6592, 521.8610

 47.6291, 63.8491,
60.9085


 110.9457,
140.3863, 138.1466

 33.7433, 46.5285,
43.7212


140.4888,
175.3718, 173.8467

 22.8584, 32.6631,
30.1158


174.8596,
215.7344, 215.2212

 14.6091, 21.8685,
19.6737

214.4235,
261.8586, 262.6888

 8.6300, 13.7603,
11.9764

259.5458,
314.1288, 316.6681

 4.5558, 7.9541,
6.6052

310.5919,

 2.0211, 4.0656,

372.9294, 377.5775

3.1418

367.9272,
438.6447, 445.8356

■ 0.6458, 1.7103,
1.1675

■ 0.0000, 0.4303,
0.0000

■ 64.8812, 85.0094,
82.0961

■ 64.8812, 85.0094,
82.0961

■ 58.7695, 82.0026,
75.3092

■ 72.1295, 88.5937,
89.3185

■ 53.7277, 79.5392,
68.9442

■ 80.5704, 92.7843,
96.9808

■ 49.6864, 77.5833,
62.9930

■ 90.2595, 97.6097,
105.0931

■ 46.5660, 76.0943,
57.4451

95.0500, 100.0000,
108.9000

■ 44.2745, 75.0247,
52.2897

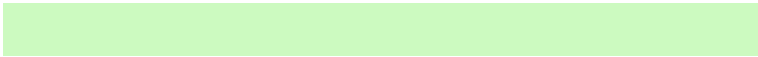
■ 42.6989, 74.3165,
47.5143

■ 42.0508, 74.0363,
45.0471

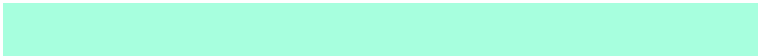
Harmonies

Analogous

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



68.5695, 85.0094, 62.6257



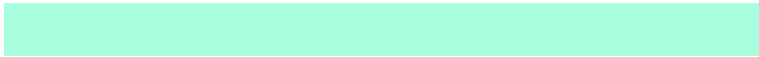
64.8812, 85.0094, 82.0961



65.2185, 85.0094, 108.4433

Triad

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



64.8812, 85.0094, 82.0961



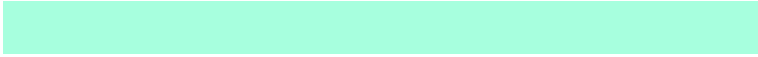
86.1694, 85.0094, 149.1194



93.2258, 85.0094, 60.3046

Complementary

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



64.8812, 85.0094, 82.0961



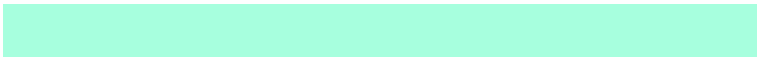
65.4847, 53.0687, 61.4360

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.



98.6818, 85.0094, 78.3100



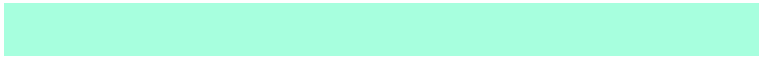
64.8812, 85.0094, 82.0961



94.4022, 85.0094, 130.7763

Square

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



64.8812, 85.0094, 82.0961



77.0571, 85.0094, 150.6588



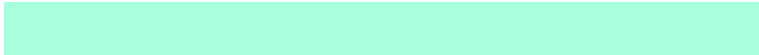
99.1278, 85.0094, 103.8790



84.6598, 85.0094, 51.7268

Rectangle

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



64.8812, 85.0094, 82.0961



67.6806, 85.0094, 126.5424



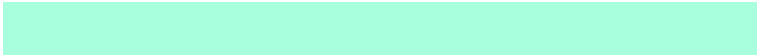
99.1278, 85.0094, 103.8790



95.5114, 85.0094, 65.2825

Sweetspot

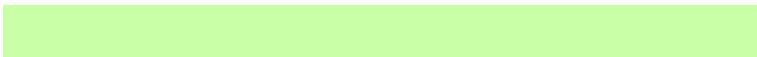
The Sweet Spot groups the original color and five complimentary colors.



64.8821, 85.0098, 82.0975



84.7812, 94.8797, 100.5822



66.7516, 86.6910, 49.7755



17.8598, 20.1654, 21.2863



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

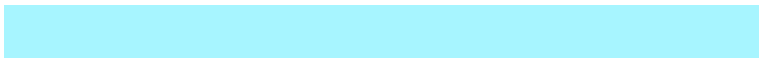
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8821, 85.0098, 82.0975



60.7888, 82.9941, 77.6423



66.5589, 80.5796, 106.6531



18.2491, 20.3592, 21.6146



22.0473, 38.7155, 23.9319



2.1997, 3.7908, 2.6094

Inverse Universe

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



65.4847, 53.0687, 61.4360



61.4749, 46.9192, 54.3341



63.9907, 55.6009, 43.9200



18.2911, 18.0997, 20.1500



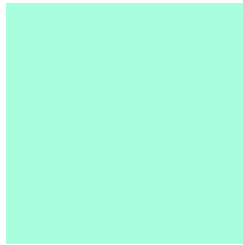
22.7093, 11.5730, 7.1195



2.2620, 1.1472, 0.9612

Previews

White Background



This preview shows how the XYZ color 64.8812, 85.0094, 82.0961 looks on a white background.

Color Contrast Check

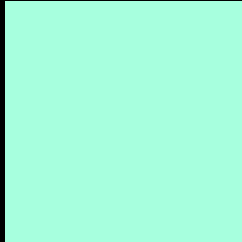
Large Text (above 18pt) WCAG AA × Fail

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 64.8812, 85.0094, 82.0961 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 64.8812, 85.0094, 82.0961

Background



This preview shows how black text looks on a background with the XYZ color 64.8812, 85.0094, 82.0961.

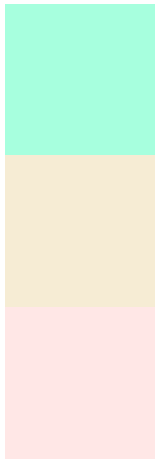


This preview shows how white text looks on a background with the XYZ color 64.8812, 85.0094,

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

64.8812, 85.0094, 82.0961

Protanopia

79.8852, 84.3372, 74.3557

Deuteranopia

84.0988, 84.1250, 86.6682



Tritanopia

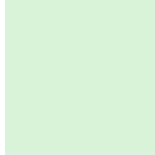
75.5542, 84.4430, 106.9247

Trichromacy



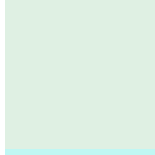
Original Color

64.8812, 85.0094, 82.0961



Protanomaly

73.0605, 83.8108, 77.2921



Deuteranomaly

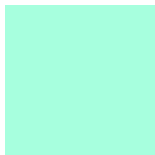
75.4566, 83.5542, 84.8236



Tritanomaly

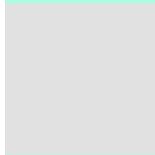
71.1767, 84.1991, 97.2947

Monochromacy



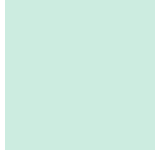
Original Color

64.8812, 85.0094, 82.0961



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.3518, 78.2101, 82.0145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8812, 85.0094, 82.0961 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(167, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 222)  
}
```

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(167, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 222) }
```

Border

The CSS property to change the border of an element to XYZ 64.8812, 85.0094, 82.0961 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(167, 255, 222) }
```


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

```
.border{ border-color:rgb(167, 255, 222) }
```

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

Here you see how a box with a 4 pixel rgb(167, 255, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8812, 85.0094, 82.0961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 222) }
```

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

```
.background{ background-color: rgb(167,  
255, 222) }
```

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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