

Converting Colors

XYZ(64.2677, 84.7458, 79.6906)

Have a look what the booklet for
XYZ(64.2677, 84.7458, 79.6906)
contains.

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Color

**XYZ(64.2721, 84.7415,
79.9871)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFDB
RGB	166, 255, 219
RGB Percent	65%, 100%, 86%
CMY	0.3490, 0.0000, 0.1412
CMYK	0.35, 0.00, 0.14, 0.00
HSL	156°, 100%, 83%
HSV	156°, 35%, 100%
XYZ	64.2721, 84.7415, 79.9871
YIQ	224.2850, -41.4880, -30.0640

Conversions

Conversions Part 2

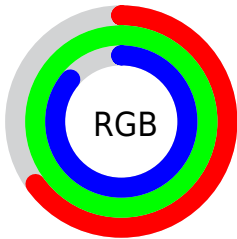
Format	Color
RYB	166, 222, 255
Decimal	10944475
CIELab	93.77, -34.29, 8.80
CIELCh	94, 35.399, 165.605
Yxy	84.7415, 0.2807, 0.3700
Android (android.graphics.Color)	4289134555 (0xFFA6FFDB)
YUV	224.2850, -2.6055, -51.1159
Hunter-Lab	92.0551, -36.4694, 12.9213

Details

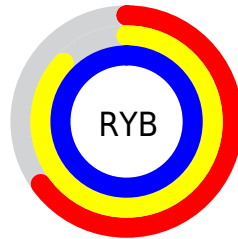
The XYZ color **64.2721, 84.7415, 79.9871** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.5375, 52.7977, 62.6143**, and the grayscale version is **71.0945, 74.7970, 81.4539**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **33.3253, 46.3835, 42.3184** is the 20% darker color. If you saturate the color by 10%, you get **58.1301, 81.7272, 72.8302**, and if you desaturate by 10%, it is **71.5596, 88.3365, 87.6396**.

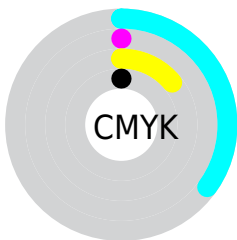
Distribution



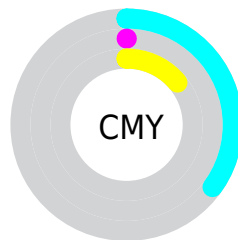
- Red (65%)
- Green (100%)
- Blue (86%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2721, 84.7415, 79.9871 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 64.2721, 84.7415, 79.9871 by changing the saturation by 10% instead.

 64.2721, 84.7415,
79.9871

 64.2721, 84.7415,
79.9871


429.7582,
510.7723, 514.5950

 47.1336, 63.6278,
59.1816


 110.0743,
140.0120, 135.1588

 33.3497, 46.3493,
42.3384


 139.4686,
174.9375, 170.3622

 22.5550, 32.5215,
29.0388


173.6790,
215.2358, 211.2019

 14.3841, 21.7602,
18.8643

213.0707,
261.2913, 258.0965

 8.4718, 13.6808,
11.3965

258.0091,
313.4882, 311.4646

 4.4526, 7.8990,
6.2167

308.8596,

 1.9613, 4.0304,

372.2111, 371.7247

2.9064

365.9876,
437.8444, 439.2953

0.6121, 1.6906,
1.0470

0.0000, 0.4175,
0.0000

64.2721, 84.7415,
79.9871

64.2721, 84.7415,
79.9871

58.1301, 81.7272,
72.8302

71.5596, 88.3365,
87.6396

53.0668, 79.2595,
66.1538

80.0494, 92.5415,
95.7940

49.0117, 77.3022,
59.9479

89.7974, 97.3850,
104.4617

45.8848, 75.8142,
54.2004

95.0500, 100.0000,
108.9000

■ 43.5929, 74.7477,
48.8983

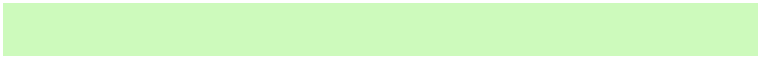
■ 42.0217, 74.0439,
44.0274

■ 41.4158, 73.7823,
41.7028

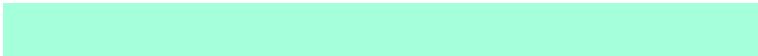
Harmonies

Analogous

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



68.3051, 84.7415, 60.5809



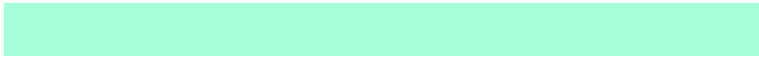
64.2721, 84.7415, 79.9871



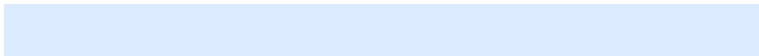
64.3572, 84.7415, 106.9091

Triad

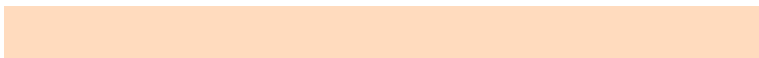
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2721, 84.7415, 79.9871



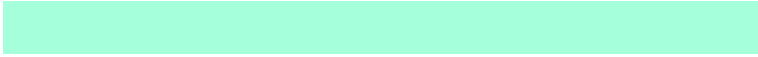
85.5059, 84.7415, 151.6571



93.8651, 84.7415, 59.9987

Complementary

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



64.2721, 84.7415, 79.9871



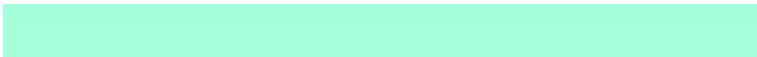
65.5375, 52.7977, 62.6143

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.



99.2406, 84.7415, 79.0306



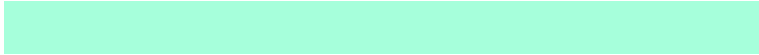
64.2721, 84.7415, 79.9871



94.1645, 84.7415, 133.4365

Square

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



64.2721, 84.7415, 79.9871



76.1331, 84.7415, 152.0516



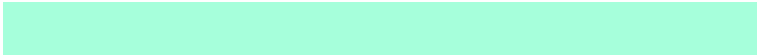
99.3543, 84.7415, 105.7481



85.1226, 84.7415, 50.6572

Rectangle

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



64.2721, 84.7415, 79.9871



66.7219, 84.7415, 125.8131



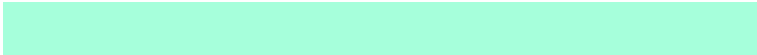
99.3543, 84.7415, 105.7481



96.1548, 84.7415, 65.2897

Sweetspot

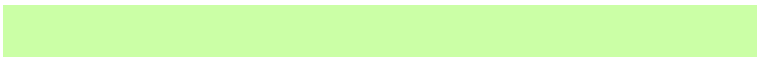
The Sweet Spot groups the original color and five complimentary colors.



64.2729, 84.7419, 79.9885



84.6664, 94.8338, 99.9772



67.2949, 86.9817, 49.3200



17.8320, 20.1542, 21.1398



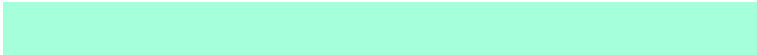
0.0000, 0.0000, 0.0000



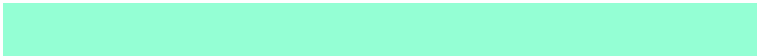
20.3446, 21.4041, 23.3091

Same Dimension

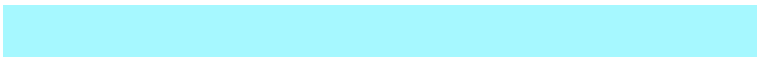
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2729, 84.7419, 79.9885



59.7980, 82.5439, 74.8567



67.2160, 82.2063, 106.9325



18.2256, 20.3498, 21.4912



21.7165, 38.5832, 22.1902



2.1686, 3.7784, 2.4457

Inverse Universe

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



65.5375, 52.7977, 62.6143



61.2425, 46.1797, 55.1031



63.1473, 54.0614, 43.1844



18.3139, 18.1089, 20.2699



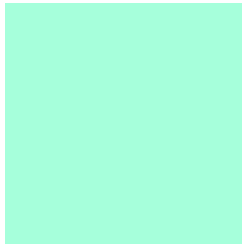
22.9010, 11.6497, 8.1291



2.2822, 1.1553, 1.0675

Previews

White Background



This preview shows how the XYZ color 64.2721, 84.7415, 79.9871 looks on a white background.

Color Contrast Check

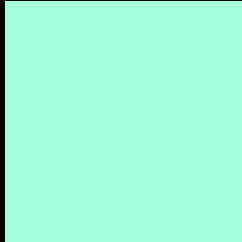
Large Text (above 18pt) WCAG AA × Fail

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 64.2721, 84.7415, 79.9871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

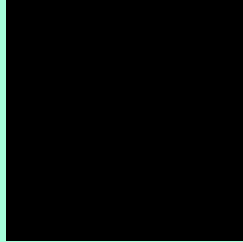
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2721, 84.7415, 79.9871

Background



This preview shows how black text looks on a background with the XYZ color 64.2721, 84.7415, 79.9871.



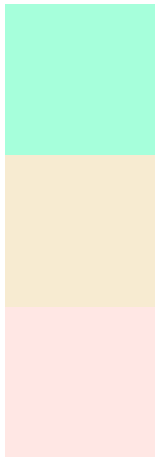
This preview shows how white text looks on a background with the XYZ color 64.2721, 84.7415,

79.9871.

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

64.2721, 84.7415, 79.9871

Protanopia

79.5747, 83.7943, 72.3015

Deuteranopia

83.8195, 84.0133, 85.1972



Tritanopia

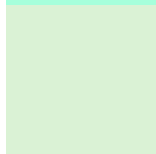
75.2774, 84.3003, 106.9118

Trichromacy



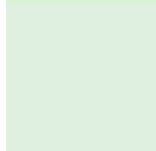
Original Color

64.2721, 84.7415, 79.9871



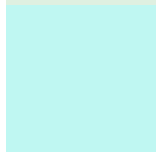
Protanomaly

72.6758, 83.2138, 75.1822



Deuteranomaly

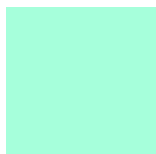
75.1821, 83.4444, 83.3780



Tritanomaly

70.7736, 84.0087, 96.4895

Monochromacy



Original Color

64.2721, 84.7415, 79.9871



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.5217, 77.3871, 80.4857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2721, 84.7415, 79.9871 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(166, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 219)  
}
```

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(166, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 64.2721, 84.7415, 79.9871 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(166, 255, 219) }
```


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

```
.border{ border-color:rgb(166, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2721, 84.7415, 79.9871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 219) }
```

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

```
.background{ background-color: rgb(166,  
255, 219) }
```

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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