

Converting Colors

XYZ(65.5116, 85.2864, 84.2947)

Have a look what the booklet for
XYZ(65.5116, 85.2864, 84.2947)
contains.

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Color

**XYZ(65.4991, 85.2811,
84.2429)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FFE1
RGB	168, 255, 225
RGB Percent	66%, 100%, 88%
CMY	0.3412, 0.0000, 0.1176
CMYK	0.34, 0.00, 0.12, 0.00
HSL	159°, 100%, 83%
HSV	159°, 34%, 100%
XYZ	65.4991, 85.2811, 84.2429
YIQ	225.5670, -42.2220, -27.7740

Conversions

Conversions Part 2

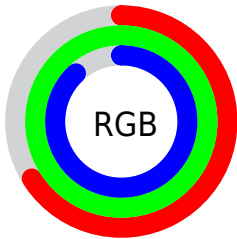
Format	Color
RYB	168, 221, 255
Decimal	11075553
CIELab	94.00, -32.52, 6.06
CIELCh	94, 33.074, 169.450
Yxy	85.2811, 0.2787, 0.3629
Android (android.graphics.Color)	4289265633 (0xFFA8FFE1)
YUV	225.5670, -0.2795, -50.4863
Hunter-Lab	92.3478, -35.0047, 10.5570

Details

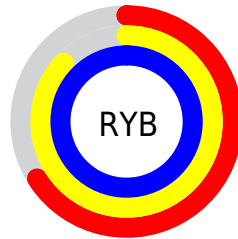
The XYZ color **65.4991, 85.2811, 84.2429** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.4363, 53.3436, 60.2742**, and the grayscale version is **71.9999, 75.7495, 82.4912**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **34.1319, 46.7352, 45.2521** is the 20% darker color. If you saturate the color by 10%, you get **59.4236, 82.2841, 77.8581**, and if you desaturate by 10%, it is **72.7026, 88.8524, 91.0058**.

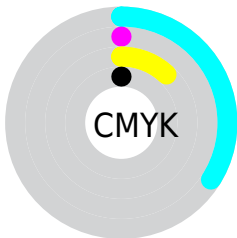
Distribution



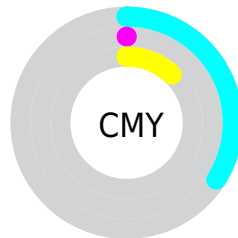
- Red (66%)
- Green (100%)
- Blue (88%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4991, 85.2811, 84.2429 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 65.4991, 85.2811, 84.2429 by changing the saturation by 10% instead.


 65.4991, 85.2811,
84.2429

 65.4991, 85.2811,
84.2429


434.1003,
512.5578, 529.1986

 48.1321, 64.0737,
62.6695


 111.8288,
140.7658, 141.1797

 34.1432, 46.7103,
45.1346


141.5223,
175.8120, 177.3801

 23.1670, 32.8067,
31.2197


176.0552,
216.2397, 219.2932

 14.8383, 21.9784,
20.5063

215.7931,
262.4336, 267.3376

 8.7915, 13.8411,
12.5759

261.1011,
314.7780, 321.9318

 4.6615, 8.0102,
7.0099

312.3448,

 2.0827, 4.1015,

373.6572, 383.4943

3.3898

369.8894,
439.4556, 452.4437

■ 0.6798, 1.7305,
1.2969

■ 0.0000, 0.4433,
0.0593

■ 65.4991, 85.2811,
84.2429

■ 65.4991, 85.2811,
84.2429

■ 59.4236, 82.2841,
77.8581

■ 72.7026, 88.8524,
91.0058

■ 54.4100, 79.8275,
71.8392

■ 81.0897, 93.0267,
98.1499

■ 50.3893, 77.8758,
66.1797

■ 90.7156, 97.8322,
105.6838

■ 47.2827, 76.3887,
60.8706

95.0500, 100.0000,
108.9000

■ 44.9991, 75.3190,
55.9027

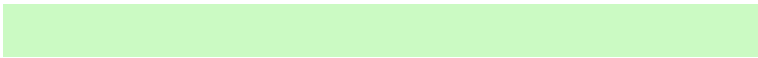
■ 43.4270, 74.6096,
51.2655

■ 42.7417, 74.3127,
48.6851

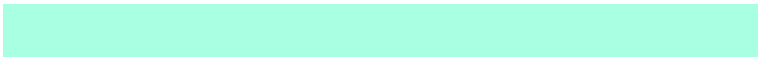
Harmonies

Analogous

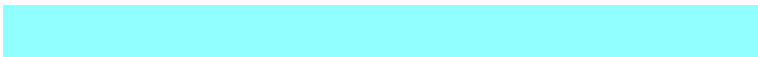
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8397, 85.2811, 64.7201



65.4991, 85.2811, 84.2429



66.0919, 85.2811, 109.9896

Triad

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



65.4991, 85.2811, 84.2429



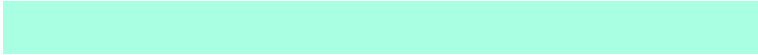
86.8373, 85.2811, 146.6077



92.5921, 85.2811, 60.6200

Complementary

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



65.4991, 85.2811, 84.2429



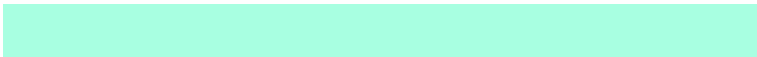
65.4363, 53.3436, 60.2742

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.



98.1264, 85.2811, 77.6022



65.4991, 85.2811, 84.2429



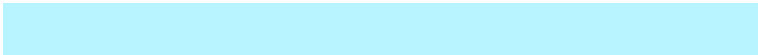
94.6407, 85.2811, 128.1539

Square

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



65.4991, 85.2811, 84.2429



77.9909, 85.2811, 149.2689



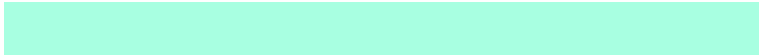
98.9022, 85.2811, 102.0384



84.2027, 85.2811, 52.8190

Rectangle

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



65.4991, 85.2811, 84.2429



68.6521, 85.2811, 127.2697



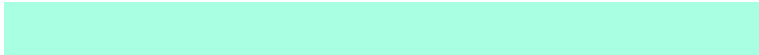
98.9022, 85.2811, 102.0384



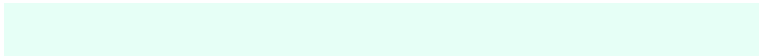
94.8732, 85.2811, 65.2838

Sweetspot

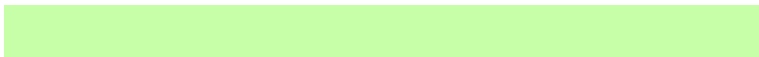
The Sweet Spot groups the original color and five complimentary colors.



65.4999, 85.2815, 84.2443



84.8993, 94.9269, 101.2037



66.2362, 86.4145, 50.2359



17.8885, 20.1768, 21.4370



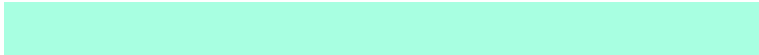
0.0000, 0.0000, 0.0000



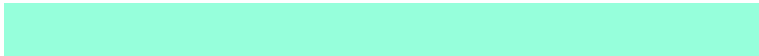
20.3446, 21.4041, 23.3091

Same Dimension

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



65.4999, 85.2815, 84.2443



61.2002, 83.1586, 79.8085



65.9365, 79.0199, 106.3849



18.2731, 20.3688, 21.7414



22.4065, 38.8592, 25.8236



2.2331, 3.8042, 2.7854

Inverse Universe

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



65.4363, 53.3436, 60.2742



61.1345, 46.7831, 52.5418



64.8427, 57.1564, 44.6619



18.2679, 18.0905, 20.0279



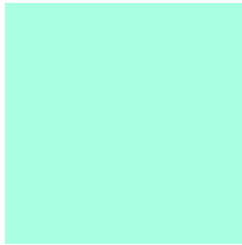
22.5306, 11.5015, 6.1785



2.2428, 1.1395, 0.8599

Previews

White Background



This preview shows how the XYZ color 65.4991, 85.2811, 84.2429 looks on a white background.

Color Contrast Check

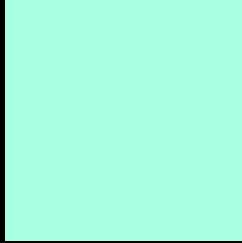
Large Text (above 18pt) WCAG AA × Fail

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 65.4991, 85.2811, 84.2429 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

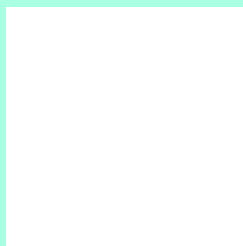
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.4991, 85.2811, 84.2429

Background



This preview shows how black text looks on a background with the XYZ color 65.4991, 85.2811, 84.2429.



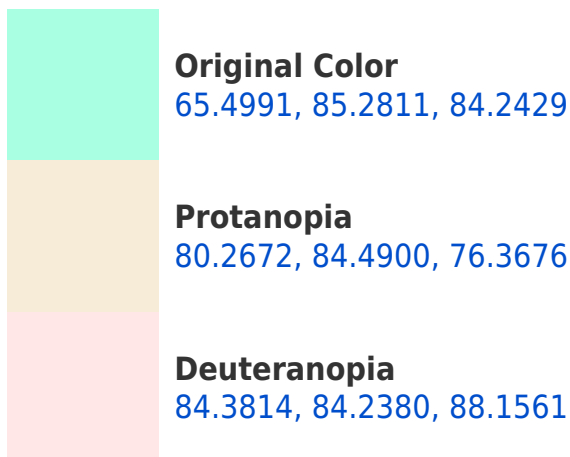
This preview shows how white text looks on a background with the XYZ color 65.4991, 85.2811,

84.2429.

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

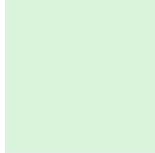
75.8327, 84.5866, 106.9378

Trichromacy



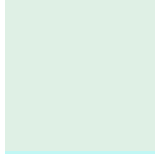
Original Color

65.4991, 85.2811, 84.2429



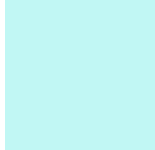
Protanomaly

73.7502, 84.1211, 79.3678



Deuteranomaly

75.7344, 83.6653, 86.2861



Tritanomaly

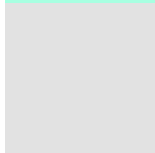
71.5822, 84.3906, 98.1042

Monochromacy



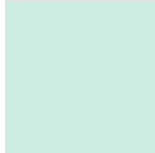
Original Color

65.4991, 85.2811, 84.2429



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.1885, 79.0385, 83.5608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4991, 85.2811, 84.2429 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(168, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 225)  
}
```

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(168, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 65.4991, 85.2811, 84.2429 is called "border". The border property can be set on classes, ids or directly on the HTML element.

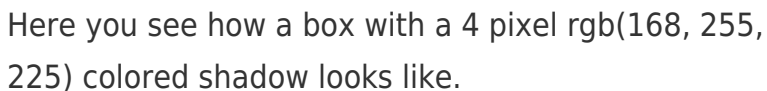
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 255, 225) }
```


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

```
.border{ border-color:rgb(168, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 255, 225); box-shadow:4px 4px 4px 4px rgb(168, 255, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4991, 85.2811, 84.2429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 225) }
```

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

```
.background{ background-color: rgb(168,  
255, 225) }
```

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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