

Converting Colors

XYZ(63.9570, 82.0932, 85.2840)

Have a look what the booklet for
XYZ(63.9570, 82.0932, 85.2840)
contains.

XYZ(63.9871, 82.1328, 85.1538)	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(63.9871, 82.1328,
85.1538)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FAE3
RGB	167, 250, 227
RGB Percent	65%, 98%, 89%
CMY	0.3451, 0.0196, 0.1098
CMYK	0.33, 0.00, 0.09, 0.02
HSL	163°, 89%, 82%
HSV	163°, 33%, 98%
XYZ	63.9871, 82.1328, 85.1538
YIQ	222.5610, -42.0850, -24.7490

Conversions

Conversions Part 2

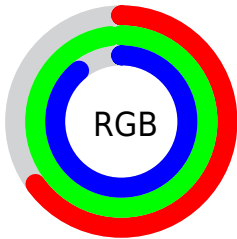
Format	Color
RYB	167, 215, 250
Decimal	11008739
CIELab	92.63, -30.03, 3.03
CIELCh	93, 30.185, 174.233
Yxy	82.1328, 0.2767, 0.3551
Android (android.graphics.Color)	4289198819 (0xFFA7FAE3)
YUV	222.5610, 2.1884, -48.7270
Hunter-Lab	90.6271, -32.5680, 7.7298

Details

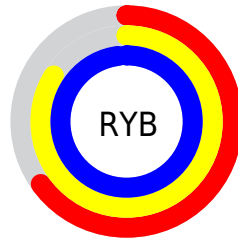
The XYZ color **63.9871, 82.1328, 85.1538** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.5402, 51.6813, 55.3977**, and the grayscale version is **69.8361, 73.4730, 80.0121**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **33.1984, 44.5632, 45.8815** is the 20% darker color. If you saturate the color by 10%, you get **58.2708, 79.2964, 79.9956**, and if you desaturate by 10%, it is **70.7674, 85.5176, 90.5662**.

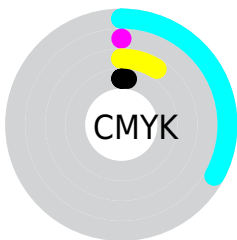
Distribution



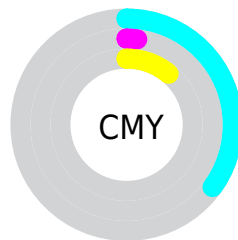
- Red (65%)
- Green (98%)
- Blue (89%)



- Red (65%)
- Yellow (84%)
- Blue (98%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)



- Cyan (35%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9871, 82.1328, 85.1538 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 63.9871, 82.1328, 85.1538 by changing the saturation by 10% instead.

 63.9871, 82.1328,
85.1538

 63.9871, 82.1328,
85.1538


428.7460,
502.0918, 532.2947

 46.9019, 61.4750,
63.4176


 109.6662,
136.3602, 142.4641

 33.1657, 44.6086,
45.7359


138.9908,
170.6986, 178.8753

 22.4133, 31.1493,
31.6903


173.1258,
210.3660, 221.0152

 14.2792, 20.7125,
20.8622

212.4368,
255.7468, 269.3024

 8.3981, 12.9140,
12.8331

257.2889,
307.2254, 324.1554

 4.4047, 7.3694,
7.1843

308.0476,

 1.9335, 3.6942,

365.1862, 385.9928

3.4975

365.0781,
430.0135, 455.2330

■ 0.5962, 1.5040,
1.3539

■ 0.0000, 0.2915,
0.1054

■ 63.9871, 82.1328,
85.1538

■ 63.9871, 82.1328,
85.1538

■ 58.2708, 79.2964,
79.9956

■ 70.7674, 85.5176,
90.5662

■ 53.5521, 76.9677,
75.0809

■ 78.6596, 89.4689,
96.2321

■ 49.7677, 75.1163,
70.4062

■ 87.7168, 94.0163,
102.1580

■ 46.8441, 73.7044,
65.9656

■ 93.4314, 96.8359,
108.1351

■ 44.6962, 72.6881,
61.7525

■ 93.4771, 96.8542,
108.3757

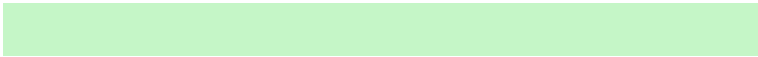
■ 43.2208, 72.0144,
57.7598

■ 42.4988, 71.6989,
55.1646

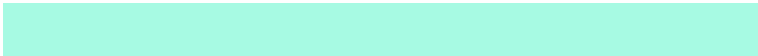
Harmonies

Analogous

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



66.4448, 82.1328, 66.4629



63.9871, 82.1328, 85.1538



65.0915, 82.1328, 108.3743

Triad

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



63.9871, 82.1328, 85.1538



84.4265, 82.1328, 134.9331



87.2255, 82.1328, 58.7344

Complementary

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



63.9871, 82.1328, 85.1538



62.5402, 51.6813, 55.3977

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.



92.6565, 82.1328, 72.8306



63.9871, 82.1328, 85.1538



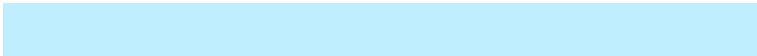
90.9662, 82.1328, 117.1553

Square

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



63.9871, 82.1328, 85.1538



76.5575, 82.1328, 139.7122



94.0691, 82.1328, 93.8442



79.5917, 82.1328, 52.9401

Rectangle

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



63.9871, 82.1328, 85.1538



67.7396, 82.1328, 123.1067



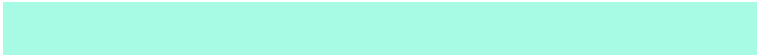
94.0691, 82.1328, 93.8442



89.3892, 82.1328, 62.5318

Sweetspot

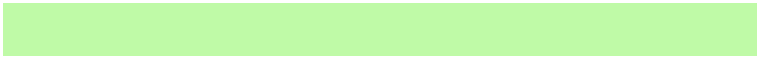
The Sweet Spot groups the original color and five complimentary colors.



63.9894, 82.1361, 85.1557



85.1658, 95.0335, 102.6071



62.5277, 82.1785, 49.1271



17.9531, 20.2027, 21.7776



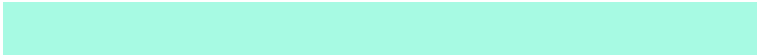
0.0000, 0.0000, 0.0000



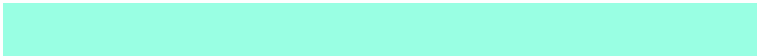
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9894, 82.1361, 85.1557



62.7250, 83.8236, 85.3529



62.0555, 72.8433, 101.2359



17.5486, 19.5217, 21.0894



22.6059, 38.0553, 29.5975



2.1386, 3.5425, 2.9776

Inverse Universe

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



62.5402, 51.6813, 55.3977



60.9992, 47.3897, 49.7925



63.7475, 57.8073, 44.3586



17.4423, 17.3043, 18.9187



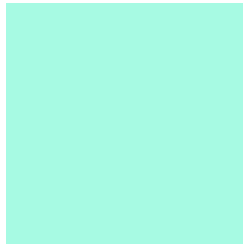
21.5384, 11.0311, 4.2779



2.0377, 1.0388, 0.6218

Previews

White Background



This preview shows how the XYZ color 63.9871, 82.1328, 85.1538 looks on a white background.

Color Contrast Check

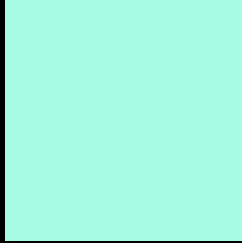
Large Text (above 18pt) WCAG AA × Fail

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 63.9871, 82.1328, 85.1538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

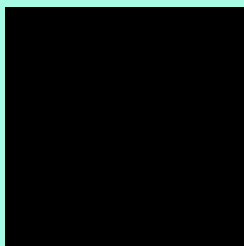
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

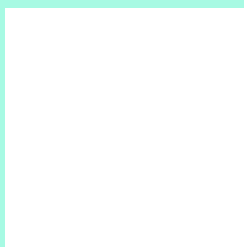
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9871, 82.1328, 85.1538

Background



This preview shows how black text looks on a background with the XYZ color 63.9871, 82.1328, 85.1538.



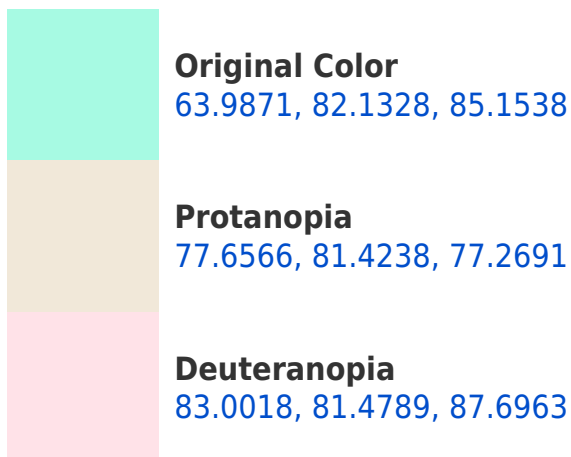
This preview shows how white text looks on a background with the XYZ color 63.9871, 82.1328,

85.1538.

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

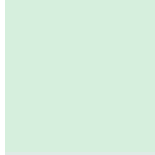
72.0110, 81.7327, 106.5883

Trichromacy



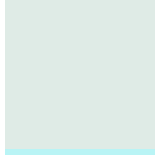
Original Color

63.9871, 82.1328, 85.1538



Protanomaly

71.6492, 81.2496, 80.3130



Deuteranomaly

74.4227, 80.8178, 86.5398



Tritanomaly

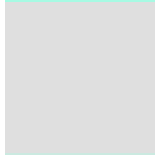
68.8397, 81.6082, 98.5099

Monochromacy



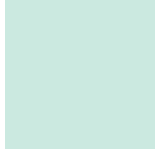
Original Color

63.9871, 82.1328, 85.1538



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.2221, 76.3562, 81.7162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9871, 82.1328, 85.1538 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, 250, 227)` looks like.

```
.text, #text, p{  
    color:rgb(167, 250, 227)  
}
```

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, 250, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 250, 227) }
```

Border

The CSS property to change the border of an element to XYZ 63.9871, 82.1328, 85.1538 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, 250, 227) }
```


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

```
.border{ border-color:rgb(167, 250, 227) }
```

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

Here you see how a box with a 4 pixel rgb(167, 250, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 250, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 250, 227);  
box-shadow:4px 4px 4px 4px rgb(167, 250,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9871, 82.1328, 85.1538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 250, 227) }
```

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

```
.background{ background-color: rgb(167,  
250, 227) }
```

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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