

Converting Colors

XYZ(59.6450, 82.2716, 83.5896)

Have a look what the booklet for
XYZ(59.6450, 82.2716, 83.5896)
contains.

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Color

**XYZ(59.5311, 82.2202,
83.2535)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 89FFE0 |
| RGB | 137, 255, 224 |
| RGB Percent | 54%, 100%, 88% |
| CMY | 0.4627, 0.0000, 0.1216 |
| CMYK | 0.46, 0.00, 0.12, 0.00 |
| HSL | 164°, 100%, 77% |
| HSV | 164°, 46%, 100% |
| XYZ | 59.5311, 82.2202, 83.2535 |
| YIQ | 216.1840, -60.3770, -34.6570 |

Conversions

Conversions Part 2

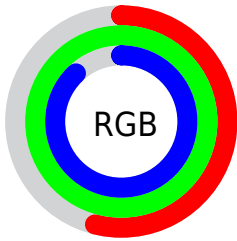
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 137, 205, 255 |
| Decimal | 9043936 |
| CIELab | 92.67, -40.62, 4.48 |
| CIELCh | 93, 40.862, 173.705 |
| Yxy | 82.2202, 0.2646, 0.3654 |
| Android (android.graphics.Color) | 4287234016 (0xFF89FFE0) |
| YUV | 216.1840, 3.8533, -69.4444 |
| Hunter-Lab | 90.6754, -41.4912, 9.0357 |

Details

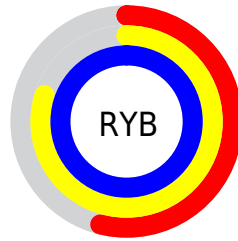
The XYZ color **59.5311, 82.2202, 83.2535** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.2543, 41.9797, 42.1320**, and the grayscale version is **65.3999, 68.8057, 74.9295**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **30.4161, 44.8305, 44.5862** is the 20% darker color. If you saturate the color by 10%, you get **54.9430, 79.9578, 78.3901**, and if you desaturate by 10%, it is **65.1445, 85.0069, 88.3545**.

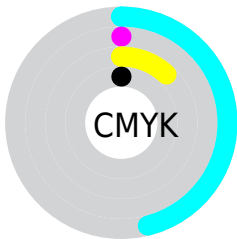
Distribution



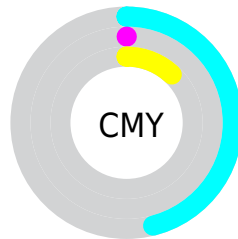
- Red (54%)
- Green (100%)
- Blue (88%)



- Red (54%)
- Yellow (80%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5311, 82.2202, 83.2535 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 59.5311, 82.2202, 83.2535 by changing the saturation by 10% instead.


 59.5311, 82.2202,
83.2535


 59.5311, 82.2202,
83.2535


412.7297,
502.3840, 525.8241

 43.2888, 61.5471,
61.8575


 103.2594,
136.4828, 139.7829

 30.3073, 44.6668,
44.4825


 131.4761,
170.8410, 175.7533

 20.2212, 31.1951,
30.7100

164.4150,
210.5296, 217.4189

 12.6651, 20.7474,
20.1215

202.4414,
255.9332, 265.1983

 7.2738, 12.9395,
12.2985

245.9208,
307.4360, 319.5099

 3.6817, 7.3869,
6.8223

295.2184,

 1.5237, 3.7052,

365.4225, 380.7724

3.2744

350.6996,
430.2770, 449.4043

■ 0.3419, 1.5101,
1.2364

■ 0.0000, 0.2958,
0.0088

■ 59.5311, 82.2202,
83.2535

■ 59.5311, 82.2202,
83.2535

■ 54.9430, 79.9578,
78.3901

■ 65.1445, 85.0069,
88.3545

■ 51.3064, 78.1819,
73.7546

■ 71.8446, 88.3497,
93.6940

■ 48.5418, 76.8515,
69.3425

■ 79.6911, 92.2793,
99.2782

■ 46.5550, 75.9181,
65.1472

■ 88.7387, 96.8237,
105.1116

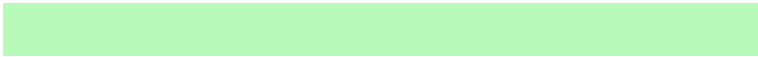
■ 45.2288, 75.3213, 95.0500, 100.0000,
61.1610 108.9000

■ 44.8382, 75.1513,
59.7253

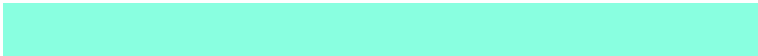
Harmonies

Analogous

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



62.7960, 82.2202, 59.1354



59.5311, 82.2202, 83.2535



60.8775, 82.2202, 115.1961

Triad

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



59.5311, 82.2202, 83.2535



86.6616, 82.2202, 154.5767



90.8901, 82.2202, 50.1276

Complementary

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



59.5311, 82.2202, 83.2535



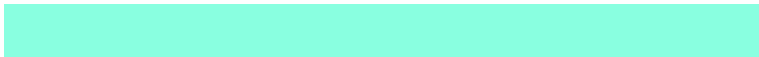
57.2543, 41.9797, 42.1320

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.



98.4097, 82.2202, 67.9807



59.5311, 82.2202, 83.2535



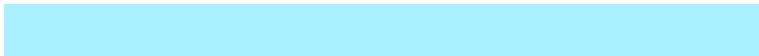
95.8176, 82.2202, 128.8643

Square

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



59.5311, 82.2202, 83.2535



75.9266, 82.2202, 161.2753



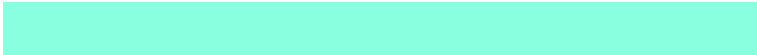
100.2899, 82.2202, 96.1013



80.4120, 82.2202, 43.0131

Rectangle

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



59.5311, 82.2202, 83.2535



64.2758, 82.2202, 136.3985



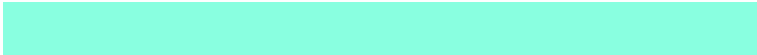
100.2899, 82.2202, 96.1013



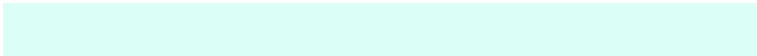
93.8846, 82.2202, 54.8457

Sweetspot

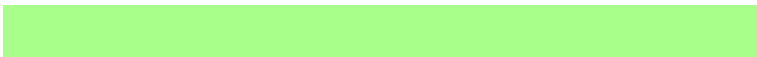
The Sweet Spot groups the original color and five complimentary colors.



59.5320, 82.2206, 83.2549



81.6403, 93.2572, 100.5820



56.5242, 81.7027, 36.4595



17.0780, 19.7620, 21.2637



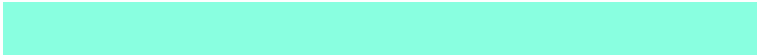
0.0000, 0.0000, 0.0000



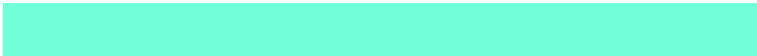
20.3446, 21.4041, 23.3091

Same Dimension

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



59.5320, 82.2206, 83.2549



55.0553, 80.0130, 78.5198



55.9643, 67.7330, 104.7319



18.3391, 20.3952, 22.0888



23.4937, 39.2941, 31.5486



2.3325, 3.8439, 3.3086

Inverse Universe

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



57.2543, 41.9797, 42.1320



52.5383, 35.0853, 32.7367



59.1273, 49.8096, 30.1663



18.2053, 18.0654, 19.6980



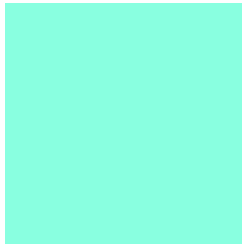
22.1298, 11.3412, 4.0678



2.1973, 1.1213, 0.6206

Previews

White Background



This preview shows how the XYZ color 59.5311, 82.2202, 83.2535 looks on a white background.

Color Contrast Check

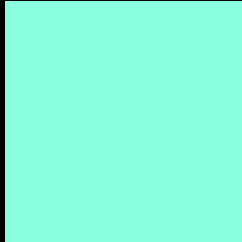
Large Text (above 18pt) WCAG AA × Fail

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 59.5311, 82.2202, 83.2535 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 59.5311, 82.2202, 83.2535

Background



This preview shows how black text looks on a background with the XYZ color 59.5311, 82.2202, 83.2535.

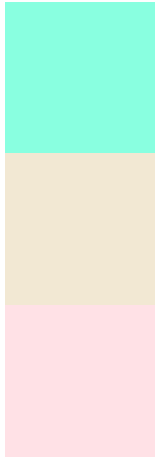


This preview shows how white text looks on a background with the XYZ color 59.5311, 82.2202,

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

59.5311, 82.2202, 83.2535

Protanopia

77.2324, 81.2936, 73.2487

Deuteranopia

82.4481, 80.8236, 86.1179



Tritanopia

70.5412, 81.4156, 106.6046

Trichromacy



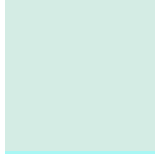
Original Color

59.5311, 82.2202, 83.2535



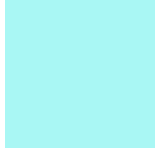
Protanomaly

68.4566, 80.1154, 76.8215



Deuteranomaly

71.1504, 79.5894, 85.0110



Tritanomaly

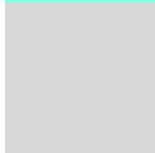
65.9521, 81.4882, 97.8407

Monochromacy



Original Color

59.5311, 82.2202, 83.2535



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.5765, 72.2729, 77.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5311, 82.2202, 83.2535 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(137, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 224)  
}
```

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(137, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 59.5311, 82.2202, 83.2535 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(137, 255, 224) }
```


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

```
.border{ border-color:rgb(137, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(137, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5311, 82.2202, 83.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 224) }
```

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

```
.background{ background-color: rgb(137,  
255, 224) }
```

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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