

Converting Colors

XYZ(58.2161, 81.0797, 84.5957)

Have a look what the booklet for
XYZ(58.2161, 81.0797, 84.5957)
contains.

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Color

**XYZ(58.2225, 81.0417,
84.5255)**

Conversions

Conversions Part 1

Format	Color
Hex	81FEE2
RGB	129, 254, 226
RGB Percent	51%, 100%, 89%
CMY	0.4941, 0.0039, 0.1137
CMYK	0.49, 0.00, 0.11, 0.00
HSL	167°, 98%, 75%
HSV	167°, 49%, 100%
XYZ	58.2225, 81.0417, 84.5255
YIQ	213.4330, -65.5120, -35.2080

Conversions

Conversions Part 2

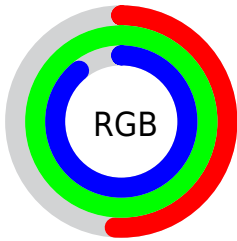
Format	Color
R_{YB}	129, 199, 254
Decimal	8519394
CIE _{Lab}	92.15, -41.52, 2.65
CIE _{LCh}	92, 41.610, 176.342
Yxy	81.0417, 0.2602, 0.3621
Android (android.graphics.Color)	4286709474 (0xFF81FEE2)
YUV	213.4330, 6.1955, -74.0477
Hunter-Lab	90.0232, -42.0956, 7.3470

Details

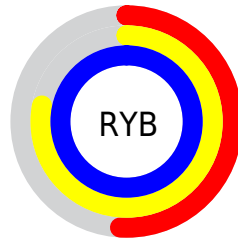
The XYZ color **58.2225, 81.0417, 84.5255** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.8118, 39.2078, 36.5801**, and the grayscale version is **63.5289, 66.8374, 72.7859**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **29.5637, 44.0310, 45.4687** is the 20% darker color. If you saturate the color by 10%, you get **54.0658, 78.9896, 80.3238**, and if you desaturate by 10%, it is **63.3685, 83.6049, 88.9123**.

Distribution



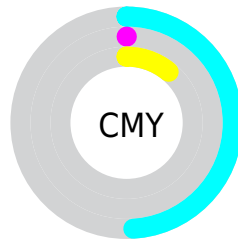
- Red (51%)
- Green (100%)
- Blue (89%)



- Red (51%)
- Yellow (78%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2225, 81.0417, 84.5255 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 58.2225, 81.0417, 84.5255 by changing the saturation by 10% instead.


 58.2225, 81.0417,
84.5255


 58.2225, 81.0417,
84.5255


407.9550,
498.4365, 530.1602


 42.2315, 60.5759,
62.9015

 101.3679,
134.8293, 141.5783

 29.4745, 43.8830,
45.3210


 129.2530,
168.9200, 177.8442

 19.5862, 30.5786,
31.3656

 161.8336,
208.3210, 219.8278

 12.2011, 20.2781,
20.6166

199.4749,
253.4169, 267.9476

 6.9540, 12.5974,
12.6555

242.5423,
304.5920, 322.6222

 3.4794, 7.1519,
7.0638

291.4013,

 1.4121, 3.5573,

362.2307, 384.2702

3.4230

346.4170,
426.7174, 453.3100

■ 0.2648, 1.4291,
1.3145

■ 0.0000, 0.2380,
0.0736

■ 58.2225, 81.0417,
84.5255

■ 58.2225, 81.0417,
84.5255

■ 54.0658, 78.9896,
80.3238

■ 63.3685, 83.6049,
88.9123

■ 50.8189, 77.4015,
76.2969

■ 69.5622, 86.7031,
93.4830

■ 48.4012, 76.2380,
72.4415

■ 76.8653, 90.3702,
98.2434

■ 46.7142, 75.4482,
68.7517

■ 85.3329, 94.6345,
103.1973

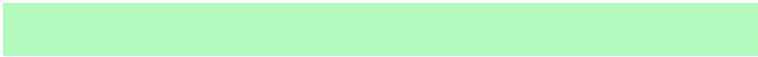
■ 45.6096, 74.9558, 94.6452, 99.3312,
65.2191 108.3310

■ 45.5330, 74.9223, 94.7332, 99.3664,
64.9466 108.7944

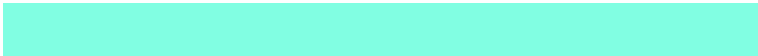
Harmonies

Analogous

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



61.1030, 81.0417, 59.3831



58.2225, 81.0417, 84.5255



59.9824, 81.0417, 117.1342

Triad

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



58.2225, 81.0417, 84.5255



86.5476, 81.0417, 152.4710



89.0343, 81.0417, 47.6383

Complementary

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



58.2225, 81.0417, 84.5255



54.8118, 39.2078, 36.5801

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.



97.0302, 81.0417, 64.5381



58.2225, 81.0417, 84.5255



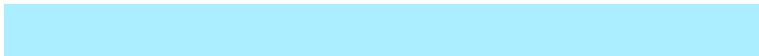
95.5035, 81.0417, 125.1964

Square

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



58.2225, 81.0417, 84.5255



75.7193, 81.0417, 161.2956



99.5001, 81.0417, 92.0631



78.3511, 81.0417, 41.4423

Rectangle

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



58.2225, 81.0417, 84.5255



63.6477, 81.0417, 138.2492



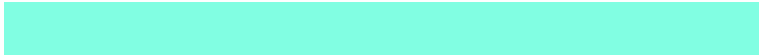
99.5001, 81.0417, 92.0631



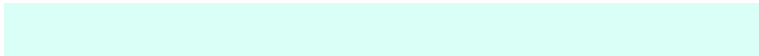
92.1625, 81.0417, 52.0315

Sweetspot

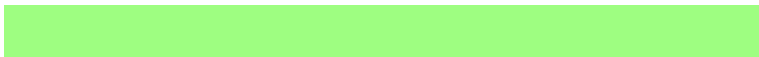
The Sweet Spot groups the original color and five complimentary colors.



58.2248, 81.0449, 84.5274



81.0019, 92.9138, 101.2012



53.5401, 79.7579, 33.3433



16.9622, 19.6984, 21.4373



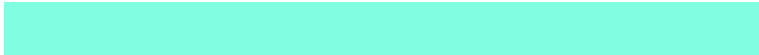
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



58.2248, 81.0449, 84.5274



54.6237, 79.7324, 81.1248



52.7136, 63.3628, 103.2215



18.3705, 20.4077, 22.2538



24.0629, 39.5218, 34.5462



2.3837, 3.8644, 3.5781

Inverse Universe

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



54.8118, 39.2078, 36.5801



50.8517, 33.1141, 27.8526



57.8172, 48.6165, 27.1069



18.1760, 18.0537, 19.5438



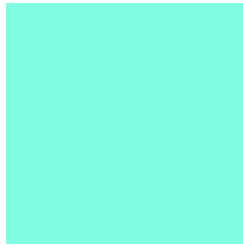
21.9820, 11.2821, 3.2896



2.1793, 1.1141, 0.5257

Previews

White Background



This preview shows how the XYZ color 58.2225, 81.0417, 84.5255 looks on a white background.

Color Contrast Check

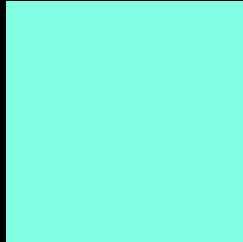
Large Text (above 18pt) WCAG AA × Fail

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 58.2225, 81.0417, 84.5255 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 58.2225, 81.0417, 84.5255

Background



This preview shows how black text looks on a background with the XYZ color 58.2225, 81.0417, 84.5255.

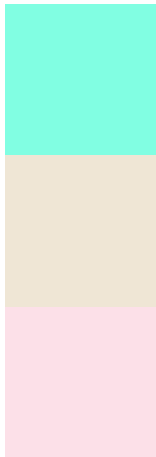


This preview shows how white text looks on a background with the XYZ color 58.2225, 81.0417,

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

58.2225, 81.0417, 84.5255

Protanopia

75.9037, 79.7484, 74.3432

Deuteranopia

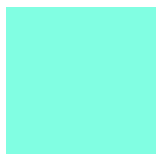
81.3660, 79.8330, 87.4648



Tritanopia

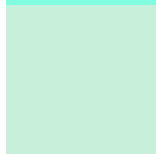
68.8582, 80.5480, 106.5259

Trichromacy



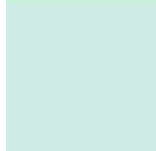
Original Color

58.2225, 81.0417, 84.5255



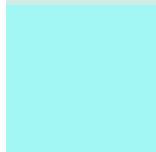
Protanomaly

67.0746, 78.9371, 78.0308



Deuteranomaly

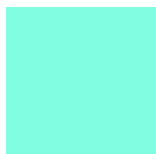
69.7234, 78.3952, 86.3199



Tritanomaly

64.1852, 80.1246, 97.6706

Monochromacy



Original Color

58.2225, 81.0417, 84.5255



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.6897, 70.4938, 76.7904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2225, 81.0417, 84.5255 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(129, 254, 226)` looks like.

```
.text, #text, p{  
    color:rgb(129, 254, 226)  
}
```

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(129, 254, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 254, 226) }
```

Border

The CSS property to change the border of an element to XYZ 58.2225, 81.0417, 84.5255 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(129, 254, 226) }
```


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

```
.border{ border-color:rgb(129, 254, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 254, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 254, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 254, 226);  
box-shadow:4px 4px 4px 4px rgb(129, 254,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2225, 81.0417, 84.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 254, 226) }
```

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

```
.background{ background-color: rgb(129,  
254, 226) }
```

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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