

Converting Colors

XYZ(58.5681, 81.8003, 79.7519)

Have a look what the booklet for
XYZ(58.5681, 81.8003, 79.7519)
contains.

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Color

**XYZ(58.5379, 81.7854,
79.7187)**

Conversions

Conversions Part 1

Format	Color
Hex	87FFDB
RGB	135, 255, 219
RGB Percent	53%, 100%, 86%
CMY	0.4706, 0.0000, 0.1412
CMYK	0.47, 0.00, 0.14, 0.00
HSL	162°, 100%, 76%
HSV	162°, 47%, 100%
XYZ	58.5379, 81.7854, 79.7187
YIQ	215.0160, -59.9640, -36.6360

Conversions

Conversions Part 2

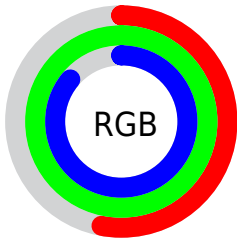
Format	Color
RYB	135, 206, 255
Decimal	8912859
CIELab	92.48, -42.18, 6.78
CIELCh	92, 42.722, 170.874
Yxy	81.7854, 0.2660, 0.3717
Android (android.graphics.Color)	4287102939 (0xFF87FFDB)
YUV	215.0160, 1.9641, -70.1740
Hunter-Lab	90.4353, -42.7204, 11.0406

Details

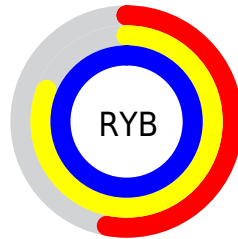
The XYZ color **58.5379, 81.7854, 79.7187** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.2554, 41.5294, 43.5274**, and the grayscale version is **64.6185, 67.9837, 74.0343**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **29.7190, 44.5243, 42.1497** is the 20% darker color. If you saturate the color by 10%, you get **53.9309, 79.5241, 74.3669**, and if you desaturate by 10%, it is **64.1753, 84.5725, 85.3631**.

Distribution



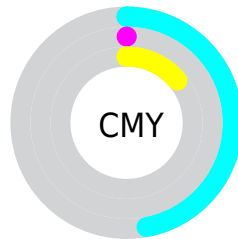
- Red (53%)
- Green (100%)
- Blue (86%)



- Red (53%)
- Yellow (81%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5379, 81.7854, 79.7187 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 58.5379, 81.7854, 79.7187 by changing the saturation by 10% instead.


 58.5379, 81.7854,
79.7187


 58.5379, 81.7854,
79.7187


409.1089,
500.9296, 513.6661

 42.4862, 61.1887,
58.9621


 101.8242,
135.8730, 134.7780

 29.6749, 44.3774,
42.1628


 129.7895,
170.1327, 169.9178

 19.7388, 30.9673,
28.9023


162.4568,
209.7155, 210.6890

 12.3125, 20.5740,
18.7620

200.1912,
255.0057, 257.5102

 7.0306, 12.8130,
11.3233

243.3583,
306.3879, 310.8000

 3.5277, 7.2999,
6.1679

292.3234,

 1.4386, 3.6503,

364.2463, 370.9769

2.8770

347.4518,
428.9654, 438.4594

■ 0.2835, 1.4800,
1.0322

■ 0.0000, 0.2746,
0.0000

■ 58.5379, 81.7854,
79.7187

■ 58.5379, 81.7854,
79.7187

■ 53.9309, 79.5241,
74.3669

■ 64.1753, 84.5725,
85.3631

■ 50.2799, 77.7504,
69.2970

■ 70.9053, 87.9175,
91.3020

■ 47.5041, 76.4226,
64.5032

■ 78.7883, 91.8513,
97.5427

■ 45.5079, 75.4916,
59.9777

■ 87.8792, 96.4023,
104.0908

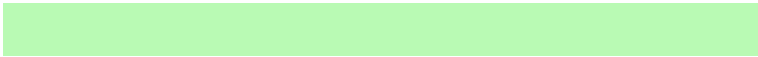
■ 44.1691, 74.8945, 95.0500, 100.0000,
55.7113 108.9000

■ 43.8464, 74.7545,
54.5022

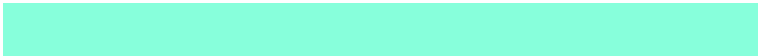
Harmonies

Analogous

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



62.3492, 81.7854, 55.8277



58.5379, 81.7854, 79.7187



59.4772, 81.7854, 112.6114

Triad

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



58.5379, 81.7854, 79.7187



85.5766, 81.7854, 159.1015



91.9699, 81.7854, 49.6046

Complementary

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



58.5379, 81.7854, 79.7187



57.2554, 41.5294, 43.5274

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.



99.3911, 81.7854, 69.0288



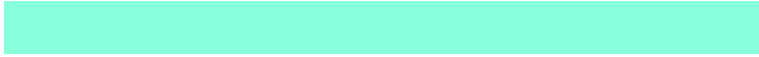
58.5379, 81.7854, 79.7187



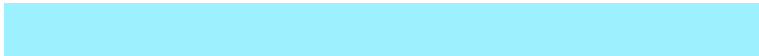
95.4631, 81.7854, 133.3734

Square

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



58.5379, 81.7854, 79.7187



74.4040, 81.7854, 163.9092



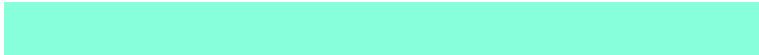
100.7268, 81.7854, 99.0833



81.1631, 81.7854, 41.3672

Rectangle

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



58.5379, 81.7854, 79.7187



62.7107, 81.7854, 135.2497



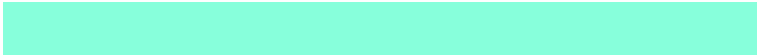
100.7268, 81.7854, 99.0833



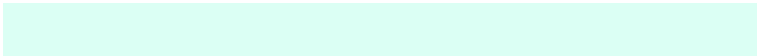
94.9845, 81.7854, 54.7892

Sweetspot

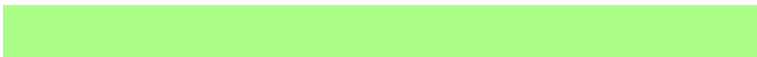
The Sweet Spot groups the original color and five complimentary colors.



58.5388, 81.7858, 79.7201



81.4370, 93.1759, 99.5117



56.9286, 81.9276, 35.7363



17.0282, 19.7421, 21.0015



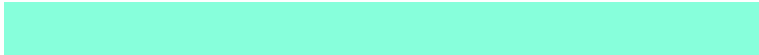
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



58.5388, 81.7858, 79.7201



54.3716, 79.7395, 74.9194



56.6184, 69.5235, 105.0430



18.3091, 20.3832, 21.9306



22.9798, 39.0885, 28.8427



2.2858, 3.8252, 3.0628

Inverse Universe

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



57.2554, 41.5294, 43.5274



52.9759, 35.2604, 35.0414



58.0121, 47.8067, 29.0932



18.2336, 18.0768, 19.8474



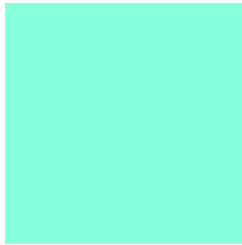
22.2967, 11.4080, 4.9468



2.2167, 1.1291, 0.7228

Previews

White Background



This preview shows how the XYZ color 58.5379, 81.7854, 79.7187 looks on a white background.

Color Contrast Check

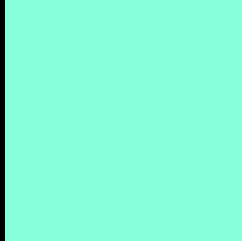
Large Text (above 18pt) WCAG AA × Fail

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 58.5379, 81.7854, 79.7187 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

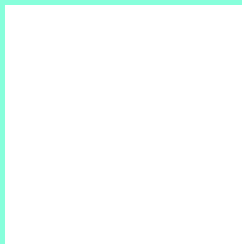
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.5379, 81.7854, 79.7187

Background



This preview shows how black text looks on a background with the XYZ color 58.5379, 81.7854, 79.7187.

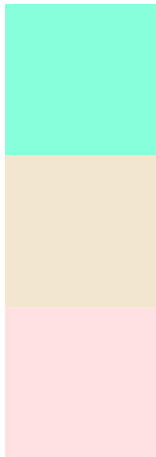


This preview shows how white text looks on a background with the XYZ color 58.5379, 81.7854,

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

58.5379, 81.7854, 79.7187

Protanopia

76.3344, 80.4853, 69.9045

Deuteranopia

81.8927, 80.6014, 83.1929



Tritanopia

70.0518, 81.1634, 106.5817

Trichromacy



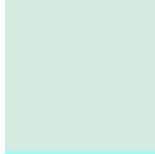
Original Color

58.5379, 81.7854, 79.7187



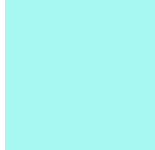
Protanomaly

67.5466, 79.7198, 73.4554



Deuteranomaly

70.1787, 79.1675, 81.3941



Tritanomaly

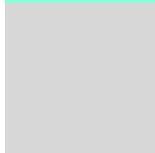
65.2241, 81.1478, 96.2298

Monochromacy



Original Color

58.5379, 81.7854, 79.7187



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.9412, 71.9906, 75.6494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5379, 81.7854, 79.7187 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(135, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 58.5379, 81.7854, 79.7187 is called "border". The border property can be set on classes, ids or directly on the HTML element.

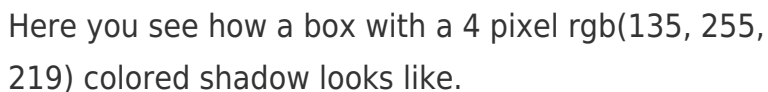
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 255, 219) }
```


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

```
.border{ border-color:rgb(135, 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(135, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 255, 219); box-shadow:4px 4px 4px 4px rgb(135, 255, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5379, 81.7854, 79.7187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 219) }
```

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

```
.background{ background-color: rgb(135,  
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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