

Converting Colors

XYZ(57.9570, 81.4632, 80.7211)

Have a look what the booklet for
XYZ(57.9570, 81.4632, 80.7211)
contains.

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Color

**XYZ(57.8842, 81.4331,
80.3775)**

Conversions

Conversions Part 1

Format	Color
Hex	82FFDC
RGB	130, 255, 220
RGB Percent	51%, 100%, 86%
CMY	0.4902, 0.0000, 0.1372
CMYK	0.49, 0.00, 0.14, 0.00
HSL	163°, 100%, 75%
HSV	163°, 49%, 100%
XYZ	57.8842, 81.4331, 80.3775
YIQ	213.6350, -63.2650, -37.3850

Conversions

Conversions Part 2

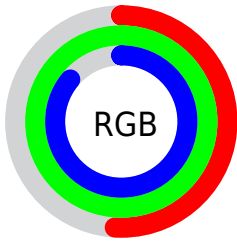
Format	Color
RYB	130, 203, 255
Decimal	8585180
CIELab	92.32, -43.10, 6.01
CIElCh	92, 43.515, 172.059
Yxy	81.4331, 0.2635, 0.3707
Android (android.graphics.Color)	4286775260 (0xFF82FFDC)
YUV	213.6350, 3.1379, -73.3479
Hunter-Lab	90.2403, -43.4225, 10.3583

Details

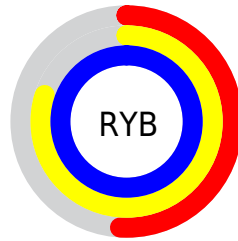
The XYZ color **57.8842, 81.4331, 80.3775** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.0149, 39.9431, 40.3558**, and the grayscale version is **63.6815, 66.9979, 72.9607**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **29.3695, 44.3337, 42.6066** is the 20% darker color. If you saturate the color by 10%, you get **53.5204, 79.2904, 75.3429**, and if you desaturate by 10%, it is **63.2593, 84.0924, 85.6731**.

Distribution



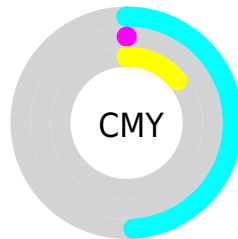
- Red (51%)
- Green (100%)
- Blue (86%)



- Red (51%)
- Yellow (80%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8842, 81.4331, 80.3775 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 57.8842, 81.4331, 80.3775 by changing the saturation by 10% instead.

 57.8842, 81.4331,
80.3775

 57.8842, 81.4331,
80.3775


406.7151,
499.7495, 515.9444


 41.9585, 60.8984,
59.5011


 100.8781,
135.3787, 135.7125

 29.2597, 44.1431,
42.5939


 128.6771,
169.5584, 171.0082

 19.4227, 30.7831,
29.2376


 161.1644,
209.0552, 211.9474

 12.0819, 20.4337,
19.0135

198.7055,
254.2535, 258.9486

 6.8721, 12.7107,
11.5031

241.6658,
305.5376, 312.4303

 3.4278, 7.2296,
6.2879

290.4106,

 1.3838, 3.6061,

363.2921, 372.8112

2.9493

345.3053,
427.9012, 440.5097

■ 0.2447, 1.4558,
1.0688

■ 0.0000, 0.2573,
0.0000

■ 57.8842, 81.4331,
80.3775

■ 57.8842, 81.4331,
80.3775

■ 53.5204, 79.2904,
75.3429

■ 63.2593, 84.0924,
85.6731

■ 50.0917, 77.6252,
70.5589

■ 69.7088, 87.3010,
91.2310

■ 47.5152, 76.3948,
66.0204

■ 77.2940, 91.0902,
97.0579

■ 45.6918, 75.5480,
61.7200

■ 86.0706, 95.4887,
103.1590

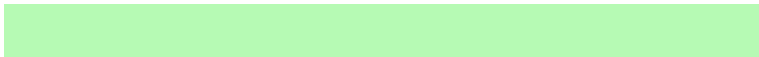
■ 44.4749, 75.0096, 95.0500, 100.0000,
57.6482 108.9000

■ 44.3700, 74.9640,
57.2598

Harmonies

Analogous

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



61.5567, 81.4331, 55.7589



57.8842, 81.4331, 80.3775



59.0259, 81.4331, 114.0394

Triad

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



57.8842, 81.4331, 80.3775



85.8150, 81.4331, 159.4029



91.4823, 81.4331, 48.2202

Complementary

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



57.8842, 81.4331, 80.3775



56.0149, 39.9431, 40.3558

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.



99.2383, 81.4331, 67.3678



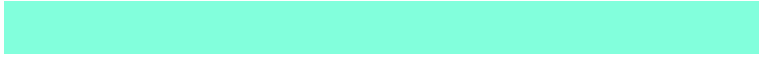
57.8842, 81.4331, 80.3775



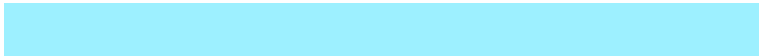
95.7516, 81.4331, 132.4925

Square

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



57.8842, 81.4331, 80.3775



74.4485, 81.4331, 165.3036



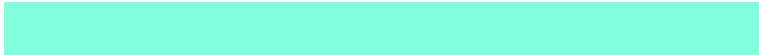
100.8720, 81.4331, 97.5073



80.4280, 81.4331, 40.3594

Rectangle

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



57.8842, 81.4331, 80.3775



62.4188, 81.4331, 137.0025



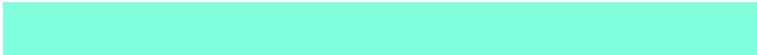
100.8720, 81.4331, 97.5073



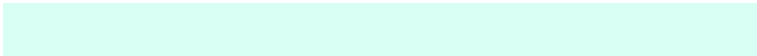
94.6041, 81.4331, 53.2917

Sweetspot

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



57.8851, 81.4336, 80.3789



80.6743, 92.7827, 99.4761



55.3940, 81.1762, 33.8696



16.8828, 19.6666, 21.0192



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

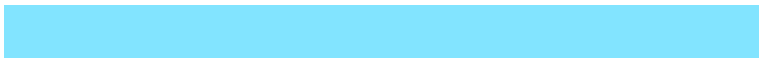
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.8851, 81.4336, 80.3789



53.5274, 79.2938, 75.3517



54.9773, 67.4076, 104.7211



18.3252, 20.3896, 22.0154



23.2512, 39.1971, 30.2718



2.3105, 3.8351, 3.1930

Inverse Universe

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



56.0149, 39.9431, 40.3558



51.4868, 33.3681, 31.1973



57.3412, 47.0151, 27.1732



18.2184, 18.0707, 19.7672



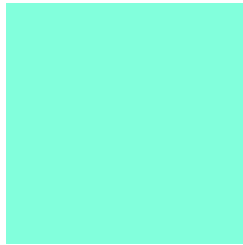
22.2041, 11.3709, 4.4592



2.2061, 1.1248, 0.6667

Previews

White Background



This preview shows how the XYZ color 57.8842, 81.4331, 80.3775 looks on a white background.

Color Contrast Check

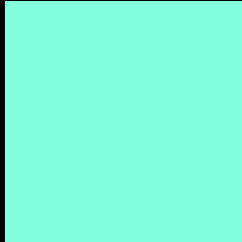
Large Text (above 18pt) WCAG AA × Fail

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 57.8842, 81.4331, 80.3775 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 57.8842, 81.4331, 80.3775

Background



This preview shows how black text looks on a background with the XYZ color 57.8842, 81.4331, 80.3775.



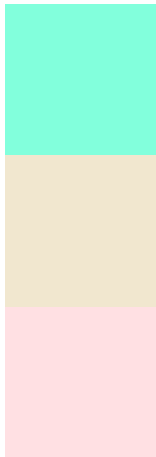
This preview shows how white text looks on a background with the XYZ color 57.8842, 81.4331,

80.3775.

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

57.8842, 81.4331, 80.3775

Protanopia

76.1140, 80.3576, 70.5304

Deuteranopia

81.7608, 80.1174, 83.8280



Tritanopia

69.3306, 80.7915, 106.5480

Trichromacy



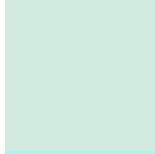
Original Color

57.8842, 81.4331, 80.3775



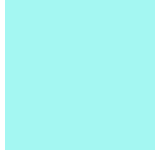
Protanomaly

67.1311, 79.4911, 74.0925



Deuteranomaly

69.7412, 78.5001, 81.9973



Tritanomaly

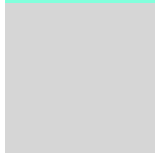
64.5976, 80.8248, 96.2005

Monochromacy



Original Color

57.8842, 81.4331, 80.3775



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.9424, 71.0638, 75.5231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8842, 81.4331, 80.3775 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(130, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 220)  
}
```

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(130, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 57.8842, 81.4331, 80.3775 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(130, 255, 220) }
```


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

```
.border{ border-color:rgb(130, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8842, 81.4331, 80.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 220) }
```

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

```
.background{ background-color: rgb(130,  
255, 220) }
```

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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