

# Converting Colors

XYZ(67.2862, 100.0000,  
84.7863)

Have a look what the booklet for  
XYZ(67.2862, 100.0000, 84.7863)  
contains.

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# Color

**XYZ(57.9981, 81.4611,  
81.7740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81FFDE
RGB	129, 255, 222
RGB Percent	51%, 100%, 87%
CMY	0.4941, 0.0000, 0.1294
CMYK	0.49, 0.00, 0.13, 0.00
HSL	164°, 100%, 75%
HSV	164°, 49%, 100%
XYZ	57.9981, 81.4611, 81.7740
YIQ	213.5640, -64.5030, -36.9750

# Conversions

## Conversions Part 2

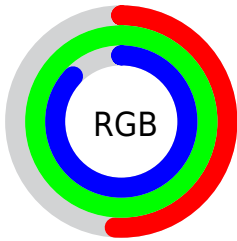
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 201, 255
Decimal	8519646
CIE <sub>Lab</sub>	92.34, -42.87, 4.99
CIE <sub>LCh</sub>	92, 43.164, 173.359
Yxy	81.4611, 0.2622, 0.3682
Android (android.graphics.Color)	4286709726 (0xFF81FFDE)
YUV	213.5640, 4.1589, -74.1626
Hunter-Lab	90.2558, -43.2441, 9.4608

# Details

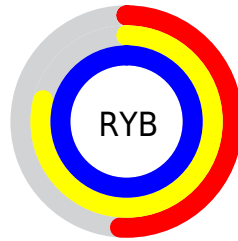
The XYZ color **57.9981, 81.4611, 81.7740** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.6126, 39.5703, 38.8901**, and the grayscale version is **63.6278, 66.9414, 72.8992**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **29.4159, 44.3364, 43.5666** is the 20% darker color. If you saturate the color by 10%, you get **53.7189, 79.3564, 76.9942**, and if you desaturate by 10%, it is **63.2808, 84.0789, 86.7886**.

# Distribution



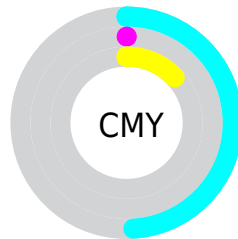
- Red (51%)
- Green (100%)
- Blue (87%)



- Red (51%)
- Yellow (79%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9981, 81.4611, 81.7740 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 57.9981, 81.4611, 81.7740 by changing the saturation by 10% instead.





 57.9981, 81.4611,  
81.7740


 57.9981, 81.4611,  
81.7740

407.1328,  
499.8433, 520.7550


 42.0504, 60.9214,  
60.6445


 101.0431,  
135.4180, 137.6909

 29.3320, 44.1618,  
43.5097


 128.8710,  
169.6041, 173.3153

 19.4777, 30.7977,  
29.9509


 161.3898,  
209.1077, 214.6086

 12.1220, 20.4449,  
19.5496

198.9647,  
254.3133, 261.9891

 6.8996, 12.7188,  
11.8872

241.9611,  
305.6052, 315.8755

 3.4452, 7.2352,  
6.5453

290.7443,

 1.3933, 3.6096,

363.3680, 376.6862

3.1053

345.6798,  
427.9859, 444.8399

■ 0.2515, 1.4577,  
1.1487

■ 0.0000, 0.2587,  
0.0000

■ 57.9981, 81.4611,  
81.7740

■ 57.9981, 81.4611,  
81.7740

■ 53.7189, 79.3564,  
76.9942

■ 63.2808, 84.0789,  
86.7886

■ 50.3670, 77.7258,  
72.4395

■ 69.6306, 87.2427,  
92.0389

■ 47.8590, 76.5262,  
68.1051

■ 77.1087, 90.9840,  
97.5313

■ 46.0951, 75.7063,  
63.9842

■ 85.7708, 95.3314,  
103.2703

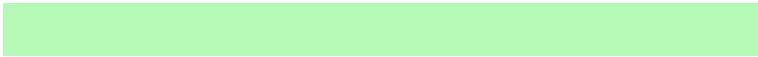
■ 44.9219, 75.1869, 95.0500, 100.0000,  
60.0674 108.9000

■ 44.8604, 75.1602,  
59.8422

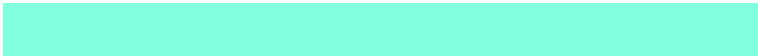
# Harmonies

## Analogous

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



61.4449, 81.4611, 56.8282



57.9981, 81.4611, 81.7740



59.3409, 81.4611, 115.3789

# Triad

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



57.9981, 81.4611, 81.7740



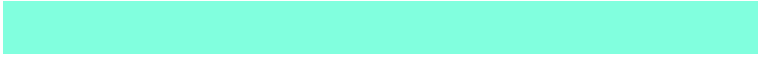
86.2548, 81.4611, 157.9699



90.9599, 81.4611, 47.9417

# Complementary

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



57.9981, 81.4611, 81.7740



55.6126, 39.5703, 38.8901

# 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.



98.8570, 81.4611, 66.4831



57.9981, 81.4611, 81.7740



95.9632, 81.4611, 130.6884

# Square

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



57.9981, 81.4611, 81.7740



74.9696, 81.4611, 164.8663



100.7707, 81.4611, 96.0007

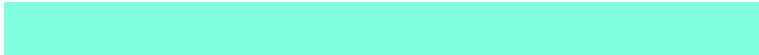


79.9362, 81.4611, 40.5668



# Rectangle

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



57.9981, 81.4611, 81.7740



62.8414, 81.4611, 137.9658



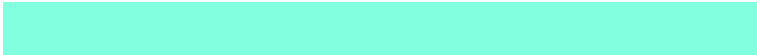
100.7707, 81.4611, 96.0007



94.1095, 81.4611, 52.8244

# Sweetspot

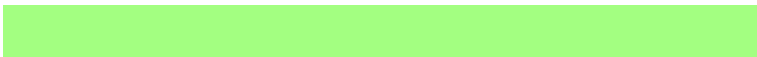
The Sweet Spot groups the original color and five complimentary colors.



57.9990, 81.4615, 81.7754



80.7798, 92.8249, 100.0316



54.7458, 80.8498, 33.4905



16.9084, 19.6768, 21.1538



0.0000, 0.0000, 0.0000

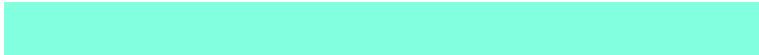


20.3446, 21.4041, 23.3091



# Same Dimension

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



57.9990, 81.4615, 81.7754



53.8757, 79.4332, 77.1859



54.1918, 66.0634, 104.5030



18.3398, 20.3954, 22.0922



23.5052, 39.2987, 31.6091



2.3335, 3.8443, 3.3141



# Inverse Universe

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



55.6126, 39.5703, 38.8901



51.2763, 33.2839, 30.0884



57.4985, 47.4366, 26.8960



18.2046, 18.0652, 19.6948



22.1264, 11.3399, 4.0502

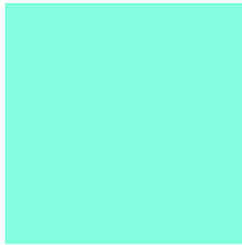


2.1969, 1.1212, 0.6185



# Previews

## White Background



This preview shows how the XYZ color 57.9981, 81.4611, 81.7740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

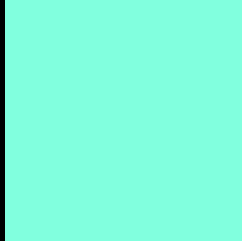
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.9981, 81.4611, 81.7740 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 57.9981, 81.4611, 81.7740

## Background



This preview shows how black text looks on a background with the XYZ color 57.9981, 81.4611, 81.7740.



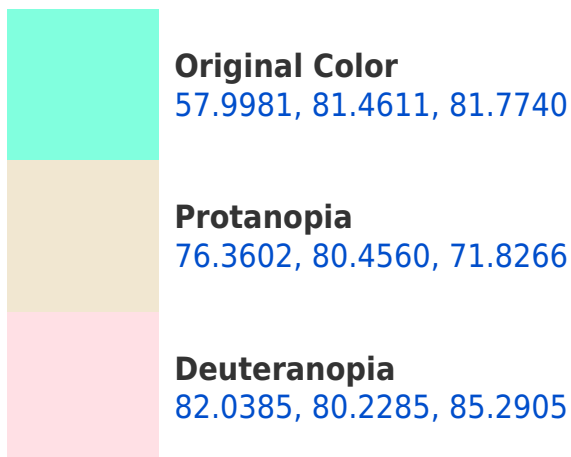
This preview shows how white text looks on a background with the XYZ color 57.9981, 81.4611,



# 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

69.3306, 80.7915, 106.5480

# Trichromacy



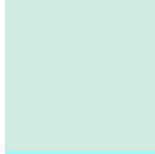
## Original Color

57.9981, 81.4611, 81.7740



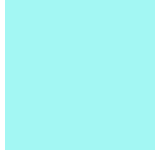
## Protanomaly

67.1171, 79.4546, 75.4171



## Deuteranomaly

69.7303, 78.4630, 83.4212



## Tritanomaly

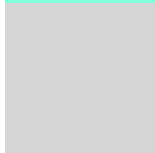
64.5427, 80.7791, 96.9842

# Monochromacy



## Original Color

57.9981, 81.4611, 81.7740



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

60.0721, 71.1157, 76.2062

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.9981, 81.4611, 81.7740 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, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 222)  
}
```

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, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 57.9981, 81.4611, 81.7740 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".

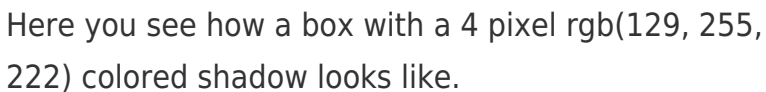
```
.border, #border, table{ border:4px solid rgb(129, 255, 222) }
```



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

```
.border{ border-color:rgb(129, 255, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(129, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 255, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 255, 222); box-shadow:4px 4px 4px 4px rgb(129, 255, 222) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.9981, 81.4611, 81.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 222) }
```

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

```
.background{ background-color: rgb(129,  
255, 222) }
```

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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