

Converting Colors

XYZ(67.0136, 100.0000,
76.5304)

Have a look what the booklet for
XYZ(67.0136, 100.0000, 76.5304)
contains.

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Color

**XYZ(57.8741, 81.5764,
73.6683)**

Conversions

Conversions Part 1

Format	Color
Hex	8AFFD2
RGB	138, 255, 210
RGB Percent	54%, 100%, 82%
CMY	0.4588, 0.0000, 0.1765
CMYK	0.46, 0.00, 0.18, 0.00
HSL	157°, 100%, 77%
HSV	157°, 46%, 100%
XYZ	57.8741, 81.5764, 73.6683
YIQ	214.8870, -55.2870, -38.7990

Conversions

Conversions Part 2

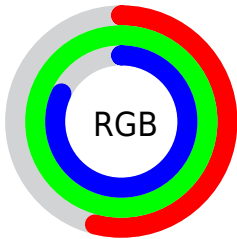
Format	Color
RYB	138, 210, 255
Decimal	9109458
CIELab	92.39, -43.40, 11.30
CIELCh	92, 44.843, 165.409
Yxy	81.5764, 0.2716, 0.3828
Android (android.graphics.Color)	4287299538 (0xFF8AFFD2)
YUV	214.8870, -2.4093, -67.4299
Hunter-Lab	90.3197, -43.6820, 14.8645

Details

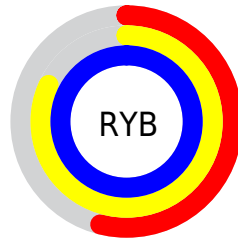
The XYZ color **57.8741, 81.5764, 73.6683** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.8763, 42.8569, 49.9695**, and the grayscale version is **64.5575, 67.9195, 73.9644**.

A 20% lighter version of the original color is **76.8360, 90.6103, 108.0476**, and **29.4193, 44.4507, 38.4818** is the 20% darker color. If you saturate the color by 10%, you get **52.9544, 79.1771, 67.2546**, and if you desaturate by 10%, it is **63.8606, 84.5170, 80.5256**.

Distribution



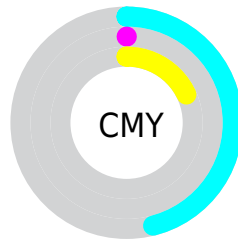
- Red (54%)
- Green (100%)
- Blue (82%)



- Red (54%)
- Yellow (82%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8741, 81.5764, 73.6683 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 57.8741, 81.5764, 73.6683 by changing the saturation by 10% instead.


 57.8741, 81.5764,
73.6683


 57.8741, 81.5764,
73.6683


406.6781,
500.2297, 492.4605

 41.9503, 61.0164,
54.0275


 100.8635,
135.5798, 126.1552

 29.2533, 44.2384,
38.2303


 128.6599,
169.7920, 159.8383

 19.4178, 30.8580,
25.8582


161.1444,
209.3238, 199.0393

 12.0783, 20.4907,
16.4928

198.6826,
254.5595, 244.1766

 6.8696, 12.7523,
9.7154

241.6396,
305.8836, 295.6688

 3.4263, 7.2582,
5.1076

290.3810,

 1.3830, 3.6241,

363.6804, 353.9346

2.2507

345.2720,
428.3342, 419.3923

■ 0.2441, 1.4656,
0.7034

■ 0.0000, 0.2643,
0.0000

■ 57.8741, 81.5764,
73.6683

■ 57.8741, 81.5764,
73.6683

■ 52.9544, 79.1771,
67.2546

■ 63.8606, 84.5170,
80.5256

■ 49.0274, 77.2811,
61.2700

■ 70.9763, 88.0309,
87.8321

■ 46.0130, 75.8471,
55.7050

■ 79.2815, 92.1491,
95.5986

■ 43.8166, 74.8267,
50.5478

■ 88.8314, 96.8999,
103.8341

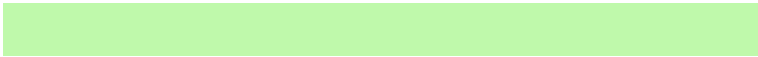
■ 42.3214, 74.1598, 95.0500, 100.0000,
45.7855 108.9000

■ 41.8394, 73.9518,
43.9336

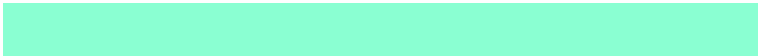
Harmonies

Analogous

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



62.6984, 81.5764, 51.0701



57.8741, 81.5764, 73.6683



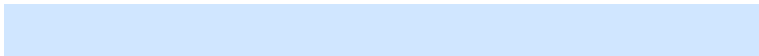
57.9419, 81.5764, 106.9185

Triad

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



57.8741, 81.5764, 73.6683



83.6207, 81.5764, 165.8270



94.2904, 81.5764, 50.6256

Complementary

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



57.8741, 81.5764, 73.6683



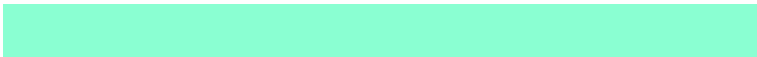
58.8763, 42.8569, 49.9695

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.



101.1134, 81.5764, 72.8936



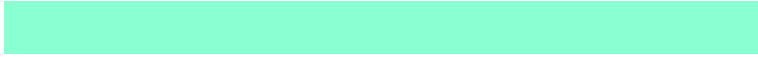
57.8741, 81.5764, 73.6683



94.5471, 81.5764, 141.7005

Square

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



57.8741, 81.5764, 73.6683



72.0461, 81.5764, 166.1851



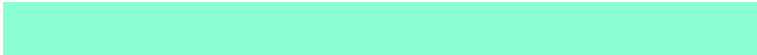
101.2118, 81.5764, 105.9250



83.2977, 81.5764, 40.2004

Rectangle

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



57.8741, 81.5764, 73.6683



60.7251, 81.5764, 131.2609



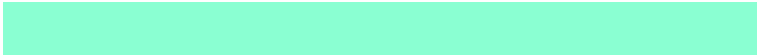
101.2118, 81.5764, 105.9250



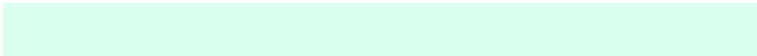
97.1939, 81.5764, 56.6868

Sweetspot

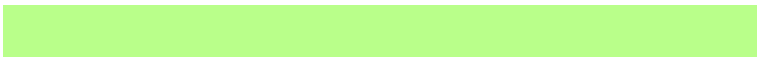
The Sweet Spot groups the original color and five complimentary colors.



57.8749, 81.5768, 73.6697



80.9812, 92.9936, 97.1117



60.3075, 83.6448, 37.0125



16.9168, 19.6975, 20.4147



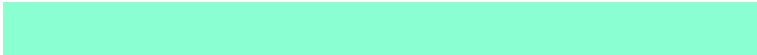
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



57.8749, 81.5768, 73.6697



53.3469, 79.3677, 67.8023



60.6723, 76.9047, 106.2541



18.2414, 20.3561, 21.5743



21.9372, 38.6715, 23.3524



2.1894, 3.7867, 2.5551

Inverse Universe

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



58.8763, 42.8569, 49.9695



54.4747, 36.3175, 41.5232



56.6867, 44.8131, 29.7081



18.2985, 18.1027, 20.1891



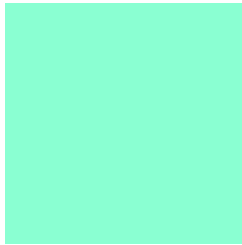
22.7699, 11.5973, 7.4389



2.2684, 1.1498, 0.9951

Previews

White Background



This preview shows how the XYZ color 57.8741, 81.5764, 73.6683 looks on a white background.

Color Contrast Check

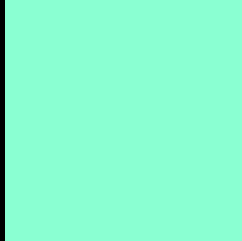
Large Text (above 18pt) WCAG AA × Fail

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 57.8741, 81.5764, 73.6683 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 57.8741, 81.5764, 73.6683

Background



This preview shows how black text looks on a background with the XYZ color 57.8741, 81.5764, 73.6683.

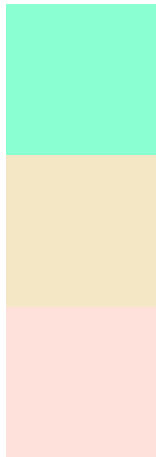


This preview shows how white text looks on a background with the XYZ color 57.8741, 81.5764,

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

57.8741, 81.5764, 73.6683

Protanopia

76.0772, 80.4621, 64.9471

Deuteranopia

80.9514, 80.2249, 78.2362



Tritanopia

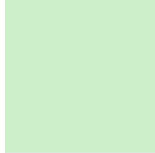
70.0518, 81.1634, 106.5817

Trichromacy



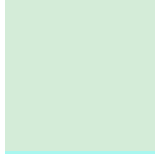
Original Color

57.8741, 81.5764, 73.6683



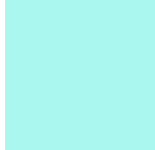
Protanomaly

66.9976, 79.5636, 67.7033



Deuteranomaly

69.5415, 78.9458, 76.5386



Tritanomaly

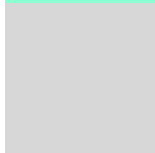
65.2029, 81.1885, 93.8958

Monochromacy



Original Color

57.8741, 81.5764, 73.6683



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.8006, 71.9625, 73.6364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8741, 81.5764, 73.6683 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(138, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 210)  
}
```

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(138, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 57.8741, 81.5764, 73.6683 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(138, 255, 210) }
```


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

```
.border{ border-color:rgb(138, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8741, 81.5764, 73.6683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 210) }
```

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

```
.background{ background-color: rgb(138,  
255, 210) }
```

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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