

# Converting Colors

XYZ(57.1021, 77.9267, 68.8080)

Have a look what the booklet for  
XYZ(57.1021, 77.9267, 68.8080)  
contains.

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# Color

**XYZ(57.1094, 78.0259,  
68.5504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97F8CB
RGB	151, 248, 203
RGB Percent	59%, 97%, 80%
CMY	0.4078, 0.0274, 0.2039
CMYK	0.39, 0.00, 0.18, 0.03
HSL	152°, 87%, 78%
HSV	152°, 39%, 97%
XYZ	57.1094, 78.0259, 68.5504
YIQ	213.8670, -43.3670, -34.5590

# Conversions

## Conversions Part 2

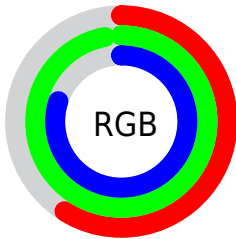
Format	Color
<a href="#">RYB</a>	<a href="#">151, 214, 248</a>
Decimal	<a href="#">9959627</a>
CIELab	<a href="#">90.79, -38.39, 12.71</a>
CIElCh	<a href="#">91, 40.442, 161.683</a>
Yxy	<a href="#">78.0259, 0.2804, 0.3831</a>
Android (android.graphics.Color)	<a href="#">4288149707 (0xFF97F8CB)</a>
YUV	<a href="#">213.8670, -5.3574, -55.1344</a>
Hunter-Lab	<a href="#">88.3323, -39.1760, 15.8205</a>

# Details

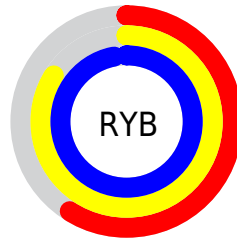
The XYZ color **57.1094, 78.0259, 68.5504** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.7445, 46.0771, 57.9726**, and the grayscale version is **63.8846, 67.2116, 73.1934**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **28.7749, 41.8644, 34.9978** is the 20% darker color. If you saturate the color by 10%, you get **51.6615, 75.3721, 61.4024**, and if you desaturate by 10%, it is **63.6314, 81.2258, 76.2833**.

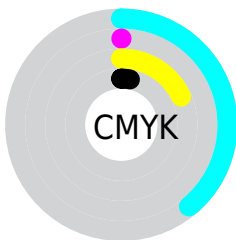
# Distribution



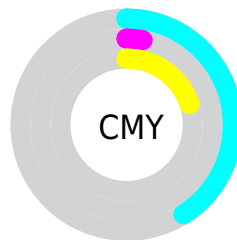
- Red (59%)
- Green (97%)
- Blue (80%)



- Red (59%)
- Yellow (84%)
- Blue (97%)



- Cyan (39%)
- Magenta (0%)
- Yellow (18%)
- Black (3%)




- Cyan (41%)
- Magenta (3%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1094, 78.0259, 68.5504 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 57.1094, 78.0259, 68.5504 by changing the saturation by 10% instead.





 57.1094, 78.0259,  
68.5504


 57.1094, 78.0259,  
68.5504


403.8667,  
488.2548, 474.0946

 41.3336, 58.0953,  
49.8762


 99.7552, 130.5866,  
118.8008

 28.7686, 41.8852,  
34.9445


 127.3559,  
163.9855, 151.2141

 19.0493, 29.0114,  
23.3369


159.6290,  
202.6426, 189.0441

 11.8101, 19.0895,  
14.6349

196.9397,  
246.9423, 232.7095

 6.6858, 11.7349,  
8.4198

239.6535,  
297.2689, 282.6286

 3.3110, 6.5635,  
4.2731


288.1357,


 1.3203, 3.1906,


354.0070, 339.2202


1.7763


342.7516,  
417.5408, 402.9026


 0.1983, 1.2320,  
0.4123


 0.0000, 0.0876,  
0.0000


 57.1094, 78.0259,  
68.5504


 57.1094, 78.0259,  
68.5504


 51.6615, 75.3721,  
61.4024


 63.6314, 81.2258,  
76.2833


 47.2180, 73.2225,  
54.8196

 71.2791, 84.9920,  
84.6096

 43.7104, 71.5441,  
48.7885

 80.1083, 89.3550,  
93.5443

 41.0587, 70.2960,  
43.2932

 90.1693, 94.3405,  
103.1003

■ 39.1682, 69.4296,  
38.3165

■ 92.8588, 95.6176,  
108.1696

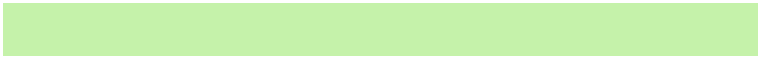
■ 37.8971, 68.8721,  
33.8385

■ 37.7988, 68.8296,  
33.4642

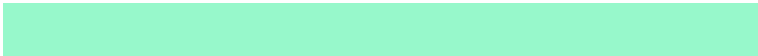
# Harmonies

## Analogous

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



61.9070, 78.0259, 49.6318



57.1094, 78.0259, 68.5504



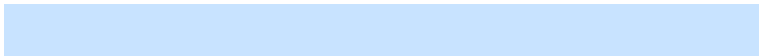
56.6190, 78.0259, 96.8050

# Triad

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



57.1094, 78.0259, 68.5504



78.1904, 78.0259, 152.4152



89.7383, 78.0259, 52.9018

# Complementary

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



57.1094, 78.0259, 68.5504



59.7445, 46.0771, 57.9726

# 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.



94.9974, 78.0259, 74.1173



57.1094, 78.0259, 68.5504



87.9345, 78.0259, 133.9984

# Square

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



57.1094, 78.0259, 68.5504



68.1864, 78.0259, 149.9534



94.3086, 78.0259, 103.7923

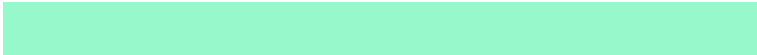


80.4754, 78.0259, 42.1236



# Rectangle

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



57.1094, 78.0259, 68.5504



58.7402, 78.0259, 117.8820



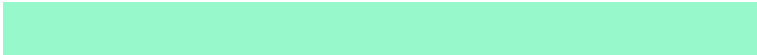
94.3086, 78.0259, 103.7923



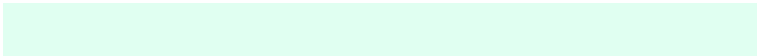
92.0696, 78.0259, 58.8159

# Sweetspot

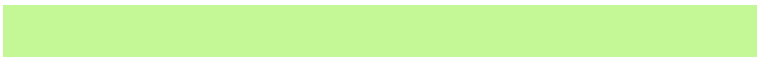
The Sweet Spot groups the original color and five complimentary colors.



57.1115, 78.0291, 68.5522



82.4724, 93.7704, 96.8181



61.9903, 81.1441, 41.6744



17.3840, 19.9380, 20.4539



0.0000, 0.0000, 0.0000

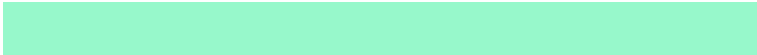


20.3446, 21.4041, 23.3091

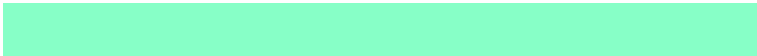


# Same Dimension

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



57.1115, 78.0291, 68.5522



56.1308, 80.8254, 66.9175



62.2902, 78.5236, 100.6842



17.4064, 19.4648, 20.3407



20.4897, 37.2089, 18.4540



1.9513, 3.4676, 1.9912



# Inverse Universe

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



59.7445, 46.0771, 57.9726



59.3017, 42.3805, 54.2023



55.8938, 45.3809, 35.0928



17.5797, 17.3592, 19.6422



22.6546, 11.4775, 10.1553

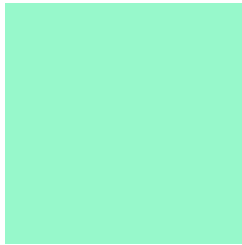


2.1511, 1.0842, 1.2193



# Previews

## White Background



This preview shows how the XYZ color 57.1094, 78.0259, 68.5504 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 57.1094, 78.0259, 68.5504 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 57.1094, 78.0259, 68.5504

## Background



This preview shows how black text looks on a background with the XYZ color 57.1094, 78.0259, 68.5504.



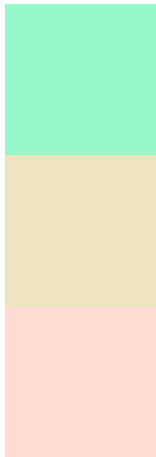
This preview shows how white text looks on a background with the XYZ color 57.1094, 78.0259, 68.5504.



# 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

57.1094, 78.0259, 68.5504

### Protanopia

72.5801, 77.0947, 60.9245

### Deuteranopia

78.4661, 77.0995, 71.7189



## Tritanopia

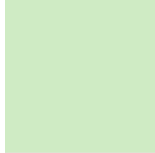
66.5290, 77.5992, 106.0794

# Trichromacy



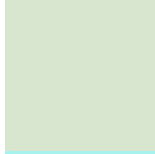
## Original Color

57.1094, 78.0259, 68.5504



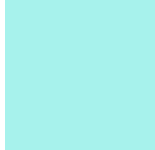
## Protanomaly

65.4043, 76.6676, 63.5757



## Deuteranomaly

68.1746, 75.8503, 70.0789



## Tritanomaly

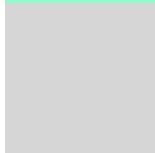
62.8288, 77.7759, 91.0577

# Monochromacy



## Original Color

57.1094, 78.0259, 68.5504



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

60.3151, 70.1222, 71.3288

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1094, 78.0259, 68.5504 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(151, 248, 203)` looks like.

```
.text, #text, p{  
    color:rgb(151, 248, 203)  
}
```

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(151, 248, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 248, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1094, 78.0259, 68.5504 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(151, 248, 203) }
```



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

```
.border{ border-color:rgb(151, 248, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 248, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 248, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 248, 203);  
box-shadow:4px 4px 4px 4px rgb(151, 248,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1094, 78.0259, 68.5504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 248, 203) }
```

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

```
.background{ background-color: rgb(151,  
248, 203) }
```

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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