

# Converting Colors

XYZ(62.7335, 83.3349, 85.9832)

Have a look what the booklet for  
XYZ(62.7335, 83.3349, 85.9832)  
contains.

|  |    |
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# Color

**XYZ(62.7718, 83.3551,  
86.1795)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 9AFEE4                       |
| RGB         | 154, 254, 228                |
| RGB Percent | 60%, 100%, 89%               |
| CMY         | 0.3961, 0.0039, 0.1059       |
| CMYK        | 0.39, 0.00, 0.10, 0.00       |
| HSL         | 164°, 98%, 80%               |
| HSV         | 164°, 39%, 100%              |
| XYZ         | 62.7718, 83.3551, 86.1795    |
| YIQ         | 221.1360, -51.2540, -29.2860 |

# Conversions

## Conversions Part 2

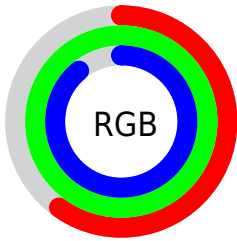
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 154, 211, 254                 |
| Decimal                             | 10157796                      |
| CIELab                              | 93.17, -35.14, 3.22           |
| CIELCh                              | 93, 35.283, 174.762           |
| Yxy                                 | 83.3551, 0.2702,<br>0.3588    |
| Android<br>(android.graphics.Color) | 4288347876<br>(0xFF9AFEE4)    |
| YUV                                 | 221.1360, 3.3840,<br>-58.8783 |
| Hunter-Lab                          | 91.2990, -37.0472,<br>7.9439  |

# Details

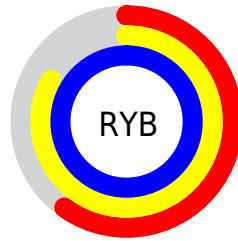
The XYZ color **62.7718, 83.3551, 86.1795** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.6697, 47.4795, 49.1499**, and the grayscale version is **68.8274, 72.4118, 78.8564**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **32.4388, 45.4910, 46.6061** is the 20% darker color. If you saturate the color by 10%, you get **57.5404, 80.7643, 81.2408**, and if you desaturate by 10%, it is **69.0657, 86.4939, 91.3544**.

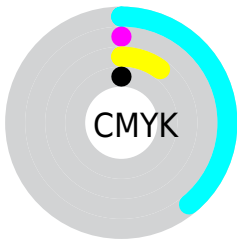
# Distribution



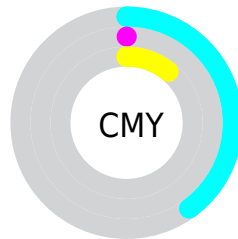
- Red (60%)
- Green (100%)
- Blue (89%)



- Red (60%)
- Yellow (83%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7718, 83.3551, 86.1795 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 62.7718, 83.3551, 86.1795 by changing the saturation by 10% instead.




 62.7718, 83.3551,  
86.1795


 62.7718, 83.3551,  
86.1795


424.4137,  
506.1692, 535.7689

 45.9146, 62.4831,  
64.2607


 107.9239,  
138.0727, 143.9087

 32.3828, 45.4232,  
46.4143


 136.9495,  
172.6871, 180.5562

 21.8110, 31.7909,  
32.2219

170.7618,  
212.6511, 222.9503

 13.8339, 21.2018,  
21.2648

209.7264,  
258.3492, 271.5095

 8.0862, 13.2716,  
13.1246

254.2085,  
310.1656, 326.6525

 4.2024, 7.6158,  
7.3826

304.5735,

 1.8173, 3.8501,

368.4848, 388.7976

3.6205

361.1868,  
433.6912, 458.3636

■ 0.5280, 1.5901,  
1.4195

■ 0.0000, 0.3509,  
0.1569

■ 62.7718, 83.3551,  
86.1795

■ 62.7718, 83.3551,  
86.1795

■ 57.5404, 80.7643,  
81.2408

■ 69.0657, 86.4939,  
91.3544

■ 53.2991, 78.6777,  
76.5274

■ 76.4749, 90.2014,  
96.7646

■ 49.9772, 77.0612,  
72.0359

■ 85.0568, 94.5093,  
102.4165

■ 47.4916, 75.8719,  
67.7603

94.6402, 99.3293,  
108.3040

■ 45.7432, 75.0588,  
63.6938

94.7333, 99.3666,  
108.7944

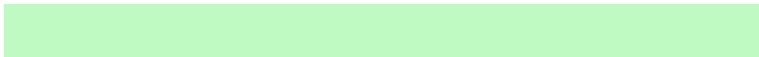
■ 44.5808, 74.5439,  
59.8271

■ 44.5158, 74.5156,  
59.5896

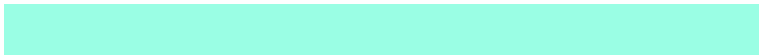
# Harmonies

## Analogous

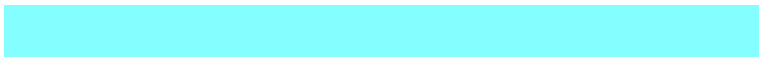
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.5440, 83.3551, 64.3817



62.7718, 83.3551, 86.1795



64.1207, 83.3551, 113.8597

# Triad

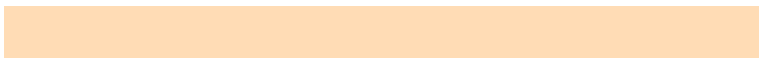
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.7718, 83.3551, 86.1795



86.9279, 83.3551, 145.4419



89.9601, 83.3551, 55.1295

# Complementary

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



62.7718, 83.3551, 86.1795



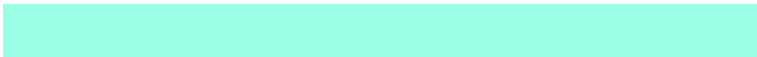
60.6697, 47.4795, 49.1499

# 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.



96.5360, 83.3551, 71.0163



62.7718, 83.3551, 86.1795



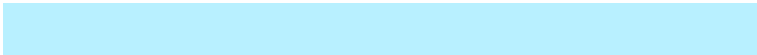
94.6919, 83.3551, 123.5072

# Square

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



62.7718, 83.3551, 86.1795



77.6107, 83.3551, 151.6630



98.3315, 83.3551, 95.4990

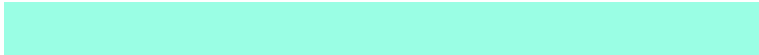


80.8646, 83.3551, 48.8311



# Rectangle

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



62.7718, 83.3551, 86.1795



67.2345, 83.3551, 131.6519



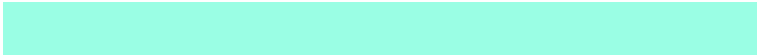
98.3315, 83.3551, 95.4990



92.5659, 83.3551, 59.3550

# Sweetspot

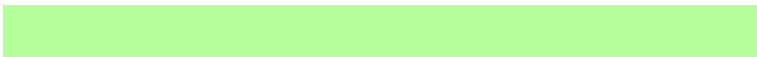
The Sweet Spot groups the original color and five complimentary colors.



62.7742, 83.3584, 86.1814



83.4198, 94.1494, 101.8067



60.2551, 83.0037, 43.4187



17.6074, 20.0273, 21.6302



0.0000, 0.0000, 0.0000

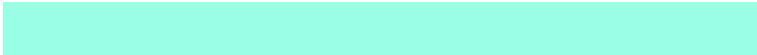


20.3446, 21.4041, 23.3091

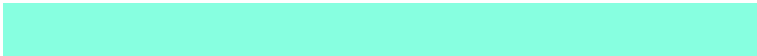


# Same Dimension

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



62.7742, 83.3584, 86.1814



59.2082, 82.0563, 83.1224



59.7011, 70.9942, 104.3265



18.3413, 20.3960, 22.1002



23.5319, 39.3094, 31.7500



2.3359, 3.8453, 3.3268



# Inverse Universe

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



60.6697, 47.4795, 49.1499



56.8367, 41.3945, 41.2218



62.4965, 54.9824, 37.8919



18.2032, 18.0646, 19.6873



22.1187, 11.3368, 4.0095

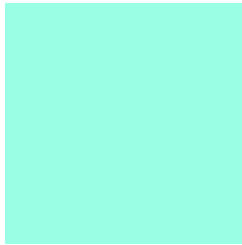


2.1960, 1.1208, 0.6137



# Previews

## White Background



This preview shows how the XYZ color 62.7718, 83.3551, 86.1795 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

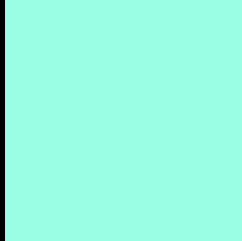
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7718, 83.3551, 86.1795 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

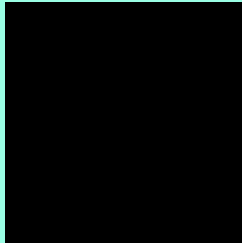
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

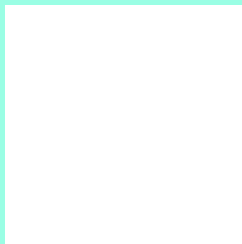
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.7718, 83.3551, 86.1795**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.7718, 83.3551, 86.1795.



This preview shows how white text looks on a background with the XYZ color 62.7718, 83.3551,



# 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

62.7718, 83.3551, 86.1795

### Protanopia

78.2812, 82.1648, 77.3792

### Deuteranopia

83.5604, 82.1387, 89.2921



## Tritanopia

72.8655, 83.0569, 106.7989

# Trichromacy



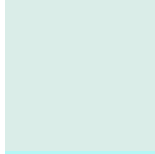
## Original Color

62.7718, 83.3551, 86.1795



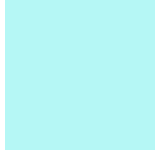
## Protanomaly

71.0848, 81.8327, 80.4553



## Deuteranomaly

73.7631, 81.3000, 88.1487



## Tritanomaly

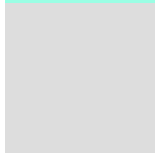
68.7983, 82.9379, 98.7688

# Monochromacy



## Original Color

62.7718, 83.3551, 86.1795



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

65.6194, 75.5300, 81.6412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7718, 83.3551, 86.1795 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(154, 254, 228)` looks like.

```
.text, #text, p{  
    color:rgb(154, 254, 228)  
}
```

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(154, 254, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 254, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7718, 83.3551, 86.1795 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(154, 254, 228) }
```



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

```
.border{ border-color:rgb(154, 254, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 254, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 254, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 254, 228);  
box-shadow:4px 4px 4px 4px rgb(154, 254,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7718, 83.3551, 86.1795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 254, 228) }
```

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

```
.background{ background-color: rgb(154,  
254, 228) }
```

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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