

# Converting Colors

XYZ(56.7427, 78.2480, 63.4822)

Have a look what the booklet for  
XYZ(56.7427, 78.2480, 63.4822)  
contains.

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# Color

**XYZ(56.8629, 78.4638,  
63.7778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99F9C3
RGB	153, 249, 195
RGB Percent	60%, 98%, 76%
CMY	0.4000, 0.0235, 0.2353
CMYK	0.39, 0.00, 0.22, 0.02
HSL	146°, 89%, 79%
HSV	146°, 39%, 98%
XYZ	56.8629, 78.4638, 63.7778
YIQ	214.1400, -39.8820, -37.1460

# Conversions

## Conversions Part 2

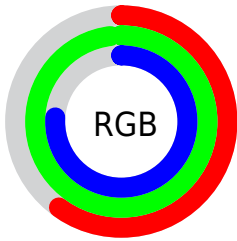
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 220, 249
Decimal	10090947
CIELab	90.99, -39.86, 17.13
CIELCh	91, 43.384, 156.747
Yxy	78.4638, 0.2856, 0.3941
Android (android.graphics.Color)	4288281027 (0xFF99F9C3)
YUV	214.1400, -9.4360, -53.6198
Hunter-Lab	88.5798, -40.4284, 19.3168

# Details

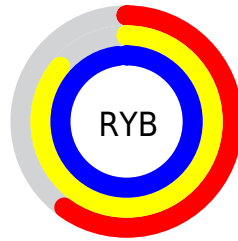
The XYZ color **56.8629, 78.4638, 63.7778** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.7233, 47.4291, 64.9362**, and the grayscale version is **64.0933, 67.4311, 73.4325**.

A 20% lighter version of the original color is **79.9090, 92.2499, 105.6898**, and **28.5871, 42.1637, 31.8310** is the 20% darker color. If you saturate the color by 10%, you get **51.1346, 75.6874, 55.6276**, and if you desaturate by 10%, it is **63.7247, 81.8116, 72.7600**.

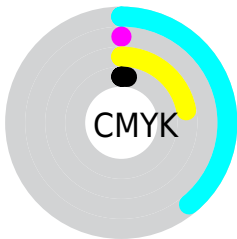
# Distribution



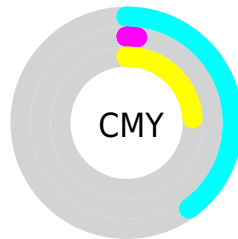
- Red (60%)
- Green (98%)
- Blue (76%)



- Red (60%)
- Yellow (86%)
- Blue (98%)



- Cyan (39%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)




- Cyan (40%)
- Magenta (2%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8629, 78.4638, 63.7778 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 56.8629, 78.4638, 63.7778 by changing the saturation by 10% instead.





 56.8629, 78.4638,  
63.7778


 56.8629, 78.4638,  
63.7778

402.9579,  
489.7405, 456.5722

 41.1349, 58.4551,  
46.0257


 99.3976, 131.2037,  
111.8873

 28.6126, 42.1746,  
31.9173


 126.9351,  
164.7037, 143.0817

 18.9308, 29.2380,  
21.0340

159.1397,  
203.4695, 179.5940

 11.7240, 19.2610,  
12.9574

196.3768,  
247.8856, 221.8427

 6.6269, 11.8590,  
7.2688

239.0118,  
298.3364, 270.2463

 3.2741, 6.6477,  
3.5498


287.4101,


 1.3003, 3.2428,


355.2062, 325.2234


1.3818


341.9370,  
418.8794, 387.1925


 0.1835, 1.2598,  
0.1274

 0.0000, 0.1097,  
0.0000


 56.8629, 78.4638,  
63.7778


 56.8629, 78.4638,  
63.7778


 51.1346, 75.6874,  
55.6276


 63.7247, 81.8116,  
72.7600


 46.4678, 73.4393,  
48.2797

 71.7736, 85.7517,  
82.5921

 42.7920, 71.6860,  
41.7105

 81.0675, 90.3156,  
93.2980

 40.0248, 70.3854,  
35.8927

 91.6584, 95.5296,  
104.8993

■ 38.0694, 69.4881,  
30.7974

■ 93.1671, 96.2343,  
108.2724

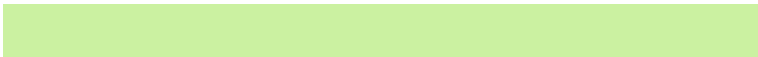
■ 36.7893, 68.9243,  
26.3924

■ 36.6340, 68.8570,  
25.8100

# Harmonies

## Analogous

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



62.6805, 78.4638, 45.6641



56.8629, 78.4638, 63.7778



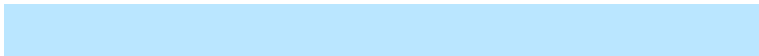
55.5677, 78.4638, 92.7135

# Triad

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



56.8629, 78.4638, 63.7778



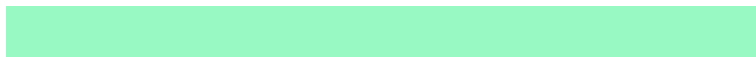
77.0778, 78.4638, 160.3640



92.7457, 78.4638, 54.2064

# Complementary

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



56.8629, 78.4638, 63.7778



61.7233, 47.4291, 64.9362

# 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.



97.4927, 78.4638, 78.5454



56.8629, 78.4638, 63.7778



87.8920, 78.4638, 143.4076

# Square

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



56.8629, 78.4638, 63.7778



66.5730, 78.4638, 153.6450



95.6349, 78.4638, 111.5087

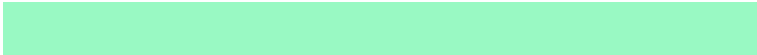


83.1992, 78.4638, 41.1567



# Rectangle

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



56.8629, 78.4638, 63.7778



57.3169, 78.4638, 115.5353



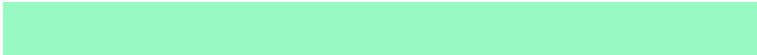
95.6349, 78.4638, 111.5087



94.9961, 78.4638, 61.0752

# Sweetspot

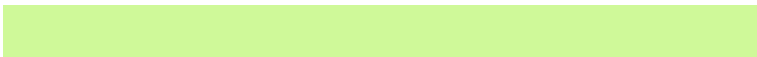
The Sweet Spot groups the original color and five complimentary colors.



56.8650, 78.4670, 63.7796



82.0259, 93.5918, 94.4668



65.4722, 83.3779, 42.7808



17.2790, 19.8960, 19.9011



0.0000, 0.0000, 0.0000

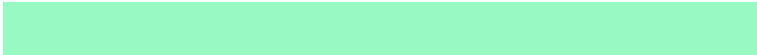


20.3446, 21.4041, 23.3091



# Same Dimension

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



56.8650, 78.4670, 63.7796



55.3788, 80.5726, 60.7872



63.1324, 80.9740, 96.7834



17.3328, 19.4354, 19.9529



19.6773, 36.8839, 14.1758



1.8747, 3.4370, 1.5879



# Inverse Universe

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



61.7233, 47.4291, 64.9362



61.1466, 43.6954, 62.1387



56.7532, 45.4410, 38.7641



17.6536, 17.3888, 20.0314



23.5210, 11.8241, 14.7182

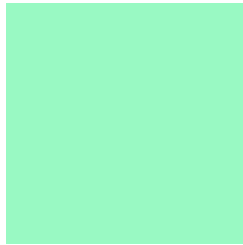


2.2317, 1.1164, 1.6436



# Previews

## White Background



This preview shows how the XYZ color 56.8629, 78.4638, 63.7778 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

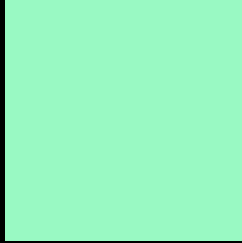
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8629, 78.4638, 63.7778 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 56.8629, 78.4638, 63.7778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8629, 78.4638, 63.7778.



This preview shows how white text looks on a background with the XYZ color 56.8629, 78.4638, 63.7778.

63.7778.

# 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

56.8629, 78.4638, 63.7778

### Protanopia

73.1183, 77.8668, 57.0750

### Deuteranopia

78.2370, 77.4291, 69.2143



## Tritanopia

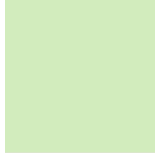
67.2149, 77.9528, 106.1115

# Trichromacy



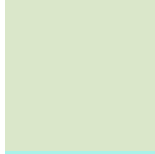
## Original Color

56.8629, 78.4638, 63.7778



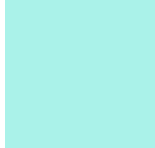
## Protanomaly

65.7591, 77.3667, 59.6115



## Deuteranomaly

68.1500, 76.3215, 67.0168



## Tritanomaly

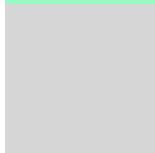
63.0377, 77.9335, 88.8110

# Monochromacy



## Original Color

56.8629, 78.4638, 63.7778



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

60.4698, 70.6496, 69.4811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8629, 78.4638, 63.7778 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(153, 249, 195)` looks like.

```
.text, #text, p{  
    color:rgb(153, 249, 195)  
}
```

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(153, 249, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 249, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8629, 78.4638, 63.7778 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(153, 249, 195) }
```



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

```
.border{ border-color:rgb(153, 249, 195) }
```

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

Here you see how a box with a 4 pixel rgb(153, 249, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 249, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 249, 195);  
box-shadow:4px 4px 4px 4px rgb(153, 249,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8629, 78.4638, 63.7778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 249, 195) }
```

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

```
.background{ background-color: rgb(153,  
249, 195) }
```

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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