

Converting Colors

XYZ(58.3197, 78.4833, 78.3036)

Have a look what the booklet for
XYZ(58.3197, 78.4833, 78.3036)
contains.

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Color

**XYZ(58.2549, 78.3998,
78.3920)**

Conversions

Conversions Part 1

Format	Color
Hex	93F8DA
RGB	147, 248, 218
RGB Percent	58%, 97%, 85%
CMY	0.4235, 0.0274, 0.1451
CMYK	0.41, 0.00, 0.12, 0.03
HSL	162°, 88%, 77%
HSV	162°, 41%, 97%
XYZ	58.2549, 78.3998, 78.3920
YIQ	214.3810, -50.5660, -30.7420

Conversions

Conversions Part 2

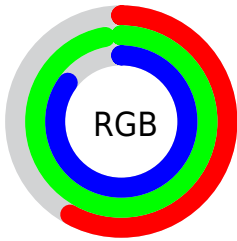
Format	Color
RYB	147, 206, 248
Decimal	9697498
CIELab	90.96, -36.32, 5.16
CIELCh	91, 36.690, 171.909
Yxy	78.3998, 0.2709, 0.3646
Android (android.graphics.Color)	4287887578 (0xFF93F8DA)
YUV	214.3810, 1.7842, -59.0931
Hunter-Lab	88.5437, -37.5122, 9.4882

Details

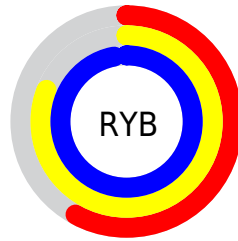
The XYZ color **58.2549, 78.3998, 78.3920** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.0836, 44.0002, 47.0822**, and the grayscale version is **64.1877, 67.5305, 73.5407**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **29.4581, 42.0796, 41.2199** is the 20% darker color. If you saturate the color by 10%, you get **53.3357, 75.9748, 73.2418**, and if you desaturate by 10%, it is **64.1800, 81.3424, 83.8163**.

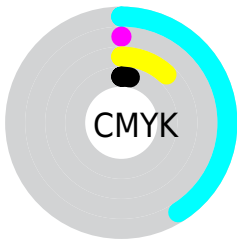
Distribution



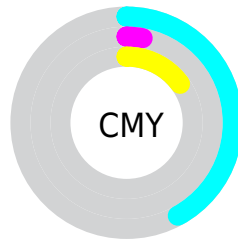
- Red (58%)
- Green (97%)
- Blue (85%)



- Red (58%)
- Yellow (81%)
- Blue (97%)



- Cyan (41%)
- Magenta (0%)
- Yellow (12%)
- Black (3%)





- Cyan (42%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2549, 78.3998, 78.3920 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 58.2549, 78.3998, 78.3920 by changing the saturation by 10% instead.

 58.2549, 78.3998,
78.3920

 58.2549, 78.3998,
78.3920


408.0736,
489.5235, 509.0602

 42.2577, 58.4025,
57.8777


 101.4148,
131.1136, 132.8935

 29.4951, 42.1323,
41.2963


 129.3082,
164.5988, 167.7177

 19.6018, 29.2049,
28.2292

161.8976,
203.3487, 208.1490

 12.2125, 19.2359,
18.2580

199.5485,
247.7478, 254.6059

 6.9618, 11.8408,
10.9640

242.6262,
298.1805, 307.5069

 3.4843, 6.6354,
5.9288

291.4961,

 1.4148, 3.2351,

355.0310, 367.2706

2.7337

346.5234,
418.6839, 434.3155

■ 0.2667, 1.2557,
0.9603

■ 0.0000, 0.1065,
0.0000

■ 58.2549, 78.3998,
78.3920

■ 58.2549, 78.3998,
78.3920

■ 53.3357, 75.9748,
73.2418

■ 64.1800, 81.3424,
83.8163

■ 49.3530, 74.0257,
68.3547


■ 71.1614, 84.8226,
89.5149


■ 46.2389, 72.5195,
63.7261


■ 79.2544, 88.8707,
95.4949

■ 43.9131, 71.4150,
59.3493

■ 88.5079, 93.5119,
101.7611

 42.2798, 70.6628,
55.2168

 92.8325, 95.6071,
108.0314

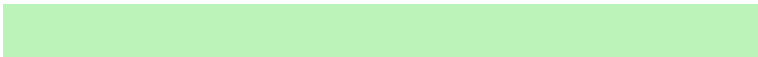
 41.2414, 70.2066,
51.5932

 92.8588, 95.6176,
108.1696

Harmonies

Analogous

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



61.3739, 78.3998, 57.6325



58.2549, 78.3998, 78.3920



59.2000, 78.3998, 105.8212

Triad

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



58.2549, 78.3998, 78.3920



81.3538, 78.3998, 141.8958



86.0392, 78.3998, 51.2162

Complementary

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



58.2549, 78.3998, 78.3920



57.0836, 44.0002, 47.0822

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.



92.2705, 78.3998, 67.7295



58.2549, 78.3998, 78.3920



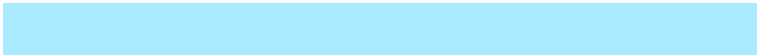
89.4133, 78.3998, 120.8110

Square

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



58.2549, 78.3998, 78.3920



72.0407, 78.3998, 146.3943



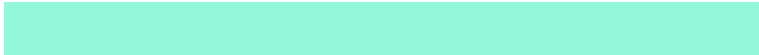
93.5538, 78.3998, 92.7377



77.0487, 78.3998, 44.2050

Rectangle

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



58.2549, 78.3998, 78.3920



62.0458, 78.3998, 124.1184



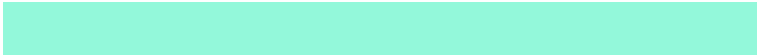
93.5538, 78.3998, 92.7377



88.5558, 78.3998, 55.6545

Sweetspot

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



58.2571, 78.4030, 78.3938



83.2454, 94.0796, 100.8882



57.0362, 78.6270, 39.7754



17.5662, 20.0109, 21.4133



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.



58.2571, 78.4030, 78.3938



57.6132, 81.3256, 78.9106



56.6667, 68.3601, 99.0188



17.5333, 19.5156, 21.0087



22.3424, 37.9500, 28.2100



2.1159, 3.5334, 2.8580

Inverse Universe

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



57.0836, 44.0002, 47.0822



56.2197, 40.0348, 41.4044



57.8357, 49.7760, 34.1645



17.4567, 17.3101, 18.9950



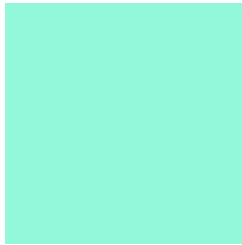
21.6270, 11.0665, 4.7444



2.0475, 1.0427, 0.6733

Previews

White Background



This preview shows how the XYZ color 58.2549, 78.3998, 78.3920 looks on a white background.

Color Contrast Check

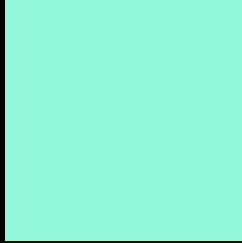
Large Text (above 18pt) WCAG AA × Fail

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 58.2549, 78.3998, 78.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

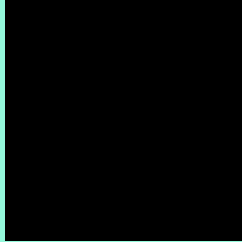
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2549, 78.3998, 78.3920

Background



This preview shows how black text looks on a background with the XYZ color 58.2549, 78.3998, 78.3920.

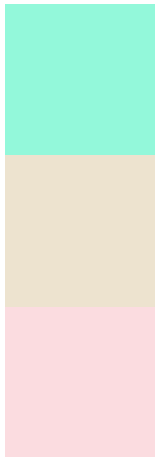


This preview shows how white text looks on a background with the XYZ color 58.2549, 78.3998,

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

58.2549, 78.3998, 78.3920

Protanopia

73.6566, 77.4477, 70.0983

Deuteranopia

78.8314, 77.0774, 81.2436



Tritanopia

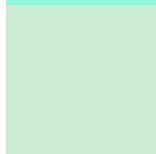
66.5957, 78.0670, 106.1662

Trichromacy



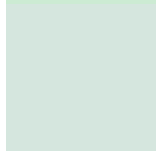
Original Color

58.2549, 78.3998, 78.3920



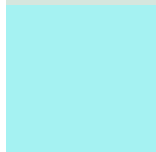
Protanomaly

66.3680, 76.9572, 72.9843



Deuteranomaly

68.9222, 76.0137, 80.1468



Tritanomaly

63.2962, 77.9144, 95.7073

Monochromacy



Original Color

58.2549, 78.3998, 78.3920



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

60.6973, 70.2462, 74.6498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2549, 78.3998, 78.3920 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(147, 248, 218)` looks like.

```
.text, #text, p{  
    color:rgb(147, 248, 218)  
}
```

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(147, 248, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 248, 218) }
```

Border

The CSS property to change the border of an element to XYZ 58.2549, 78.3998, 78.3920 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(147, 248, 218) }
```


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

```
.border{ border-color:rgb(147, 248, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 248, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 248, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 248, 218);  
box-shadow:4px 4px 4px 4px rgb(147, 248,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2549, 78.3998, 78.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 248, 218) }
```

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

```
.background{ background-color: rgb(147,  
248, 218) }
```

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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