

# Converting Colors

XYZ(55.8953, 69.5543, 79.1335)

Have a look what the booklet for  
XYZ(55.8953, 69.5543, 79.1335)  
contains.

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# Color

**XYZ(55.9251, 69.7432,  
78.9208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE7DD
RGB	159, 231, 221
RGB Percent	62%, 91%, 87%
CMY	0.3765, 0.0941, 0.1333
CMYK	0.31, 0.00, 0.04, 0.09
HSL	172°, 60%, 76%
HSV	172°, 31%, 91%
XYZ	55.9251, 69.7432, 78.9208
YIQ	208.3320, -39.7020, -18.3740

# Conversions

## Conversions Part 2

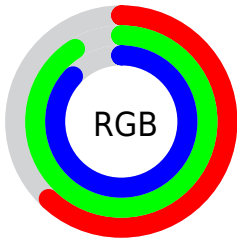
Format	Color
<b>RYB</b>	159, 198, 231
Decimal	10479581
CIELab	86.87, -24.43, -2.29
CIELCh	87, 24.536, 185.360
Yxy	69.7432, 0.2734, 0.3409
Android (android.graphics.Color)	4288669661 (0xFF9FE7DD)
YUV	208.3320, 6.2453, -43.2642
Hunter-Lab	83.5124, -26.6120, 2.4285

# Details

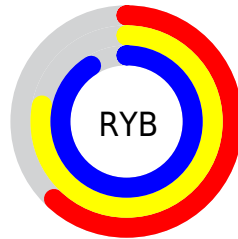
The XYZ color **55.9251, 69.7432, 78.9208** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.5170, 44.6516, 43.3895**, and the grayscale version is **60.1504, 63.2829, 68.9151**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **28.0386, 36.4164, 41.6277** is the 20% darker color. If you saturate the color by 10%, you get **51.3423, 67.4314, 76.4969**, and if you desaturate by 10%, it is **61.3761, 72.5052, 81.4310**.

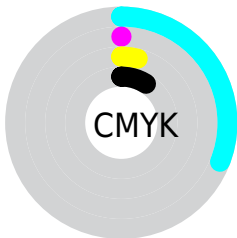
# Distribution



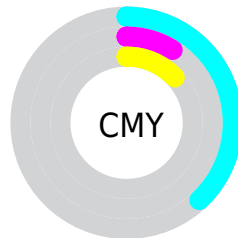
- Red (62%)
- Green (91%)
- Blue (87%)



- Red (62%)
- Yellow (78%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)



- Cyan (38%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9251, 69.7432, 78.9208 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 55.9251, 69.7432, 78.9208 by changing the saturation by 10% instead.



55.9251, 69.7432,  
78.9208

55.9251, 69.7432,  
78.9208

399.4888,  
459.6478, 510.8989

40.3796, 51.3172,  
58.3098

98.0355, 118.8425,  
133.6450

28.0202, 36.4611,  
41.6414

125.3312,  
150.2845, 168.5953

18.4814, 24.7905,  
28.4971

157.2742,  
186.8341, 209.1623

11.3979, 15.9211,  
18.4584

194.2301,  
228.8755, 255.7648

6.4044, 9.4683,  
11.1068

236.5642,  
276.7932, 308.8211

3.1355, 5.0479,  
6.0236

284.6417,

1.2258, 2.2754,

330.9715, 368.7499

2.7904

338.8281,  
391.7950, 435.9696

■ 0.1266, 0.7606,  
0.9886

■ 0.0000, 0.0000,  
0.0000

■ 55.9251, 69.7432,  
78.9208

■ 55.9251, 69.7432,  
78.9208

■ 51.3423, 67.4314,  
76.4969

■ 61.3761, 72.5052,  
81.4310

■ 47.5740, 65.5367,  
74.1520

■ 67.7334, 75.7316,  
84.0251

■ 44.5694, 64.0349,  
71.8851

■ 75.0401, 79.4466,  
86.7067

■ 42.2701, 62.8957,  
69.6931

■ 83.3347, 83.6699,  
89.4779

■ 40.6086, 62.0844,  
67.5727

■ 85.1102, 84.5315,  
91.9877

■ 39.5045, 61.5595,  
65.5199

■ 85.5835, 84.7208,  
94.4803

■ 38.8758, 61.2737,  
63.7575

■ 86.0653, 84.9135,  
97.0173

■ 86.5555, 85.1096,  
99.5990

■ 87.0543, 85.3091,  
102.2255

# Harmonies

## Analogous

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



56.7811, 69.7432, 63.5425



55.9251, 69.7432, 78.9208



57.7133, 69.7432, 95.6762

# Triad

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



55.9251, 69.7432, 78.9208



72.8633, 69.7432, 104.6492



70.9833, 69.7432, 50.7434

# Complementary

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



55.9251, 69.7432, 78.9208



52.5170, 44.6516, 43.3895

# 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.



75.6743, 69.7432, 59.1211



55.9251, 69.7432, 78.9208



76.8027, 69.7432, 89.8501

# Square

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



55.9251, 69.7432, 78.9208



67.3221, 69.7432, 111.8366



77.8598, 69.7432, 73.0323



65.2661, 69.7432, 48.6840

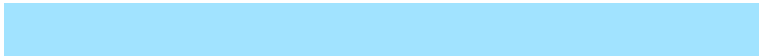


# Rectangle

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



55.9251, 69.7432, 78.9208



60.2284, 69.7432, 104.9309



77.8598, 69.7432, 73.0323



72.7427, 69.7432, 52.8484

# Sweetspot

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



55.9271, 69.7460, 78.9224



86.5958, 95.7005, 105.8470



51.3704, 68.1817, 43.2550



18.2625, 20.3453, 22.5518



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.



55.9271, 69.7460, 78.9224



66.3984, 85.4651, 96.9167



50.7471, 57.1892, 83.9685



14.7168, 16.3001, 18.0394



21.8280, 34.3633, 35.9242



1.6369, 2.5489, 2.7802



# Inverse Universe

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



52.5170, 44.6516, 43.3895



61.5401, 49.6741, 46.2651



56.3974, 53.8585, 40.2254



14.4581, 14.4004, 15.3469



18.6483, 9.5936, 1.7772

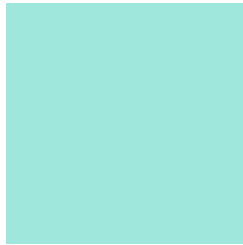


1.4041, 0.7193, 0.2683



# Previews

## White Background



This preview shows how the XYZ color 55.9251, 69.7432, 78.9208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

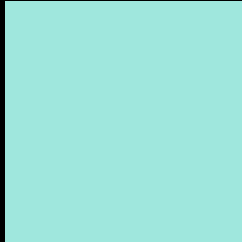
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9251, 69.7432, 78.9208 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

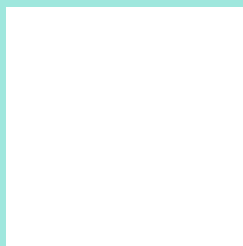
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 55.9251, 69.7432, 78.9208

## Background



This preview shows how black text looks on a background with the XYZ color 55.9251, 69.7432, 78.9208.



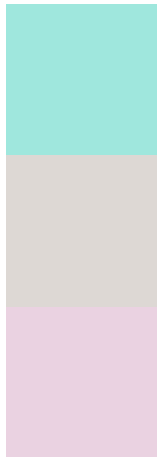
This preview shows how white text looks on a background with the XYZ color 55.9251, 69.7432,



# 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

55.9251, 69.7432, 78.9208

### Protanopia

66.2583, 69.2374, 72.1593

### Deuteranopia

70.5689, 69.0219, 80.8373



## Tritanopia

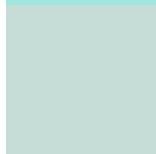
59.6207, 69.5913, 97.4789

# Trichromacy



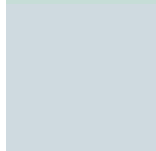
## Original Color

55.9251, 69.7432, 78.9208



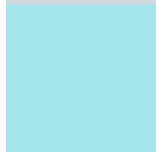
## Protanomaly

61.4109, 68.6250, 74.2992



## Deuteranomaly

64.2581, 68.7900, 80.4120



## Tritanomaly

58.1337, 69.3878, 90.4500

# Monochromacy



## Original Color

55.9251, 69.7432, 78.9208



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

57.8013, 64.8630, 72.4241

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9251, 69.7432, 78.9208 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(159, 231, 221)` looks like.

```
.text, #text, p{  
    color:rgb(159, 231, 221)  
}
```

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(159, 231, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 231, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9251, 69.7432, 78.9208 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(159, 231, 221) }
```



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

```
.border{ border-color:rgb(159, 231, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 231, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 231, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 231, 221);  
box-shadow:4px 4px 4px 4px rgb(159, 231,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9251, 69.7432, 78.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 231, 221) }
```

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

```
.background{ background-color: rgb(159,  
231, 221) }
```

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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