

# Converting Colors

XYZ(57.3559, 68.9829, 80.5568)

Have a look what the booklet for  
XYZ(57.3559, 68.9829, 80.5568)  
contains.

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# Color

**XYZ(57.2858, 68.7550,  
80.7728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9E3E0
RGB	169, 227, 224
RGB Percent	66%, 89%, 88%
CMY	0.3372, 0.1098, 0.1216
CMYK	0.26, 0.00, 0.01, 0.11
HSL	177°, 51%, 78%
HSV	177°, 26%, 89%
XYZ	57.2858, 68.7550, 80.7728
YIQ	209.3160, -33.6050, -13.2290

# Conversions

## Conversions Part 2

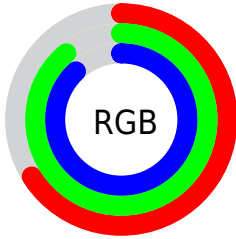
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 199, 227
Decimal	11133920
CIE Lab	86.38, -18.95, -4.53
CIE LCh	86, 19.487, 193.437
Yxy	68.7550, 0.2770, 0.3324
Android (android.graphics.Color)	4289324000 (0xFFA9E3E0)
YUV	209.3160, 7.2392, -35.3571
Hunter-Lab	82.9186, -21.7877, 0.2874

# Details

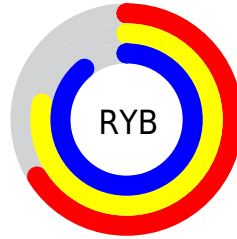
The XYZ color **57.2858, 68.7550, 80.7728** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.3153, 47.6873, 45.4270**, and the grayscale version is **60.7821, 63.9475, 69.6389**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **28.7946, 35.6352, 42.8968** is the 20% darker color. If you saturate the color by 10%, you get **52.6740, 66.3977, 79.7292**, and if you desaturate by 10%, it is **62.7481, 71.5542, 81.8649**.

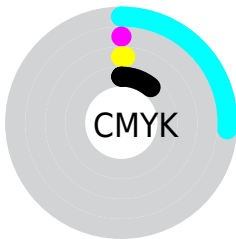
# Distribution



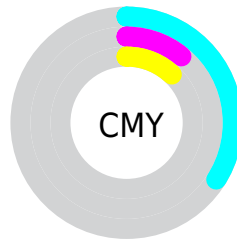
- Red (66%)
- Green (89%)
- Blue (88%)



- Red (66%)
- Yellow (78%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (34%)
- Magenta (11%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2858, 68.7550, 80.7728 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 57.2858, 68.7550, 80.7728 by changing the saturation by 10% instead.



■ 57.2858, 68.7550,  
80.7728

■ 57.2858, 68.7550,  
80.7728

404.5163,  
456.1664, 517.3087

■ 41.4758, 50.5122,  
59.8246

■ 100.0110,  
117.4316, 136.2729

■ 28.8803, 35.8206,  
42.8529

127.6570,  
148.6341, 171.6619

■ 19.1341, 24.2956,  
29.4392

159.9789,  
184.9254, 212.7015

■ 11.8718, 15.5531,  
19.1649

197.3422,  
226.6898, 259.8104

■ 6.7280, 9.2085,  
11.6114

240.1123,  
274.3117, 313.4070

■ 3.3374, 4.8774,  
6.3604

288.6544,

■ 1.3346, 2.1755,

328.1755, 373.9099

2.9931

343.3339,  
388.6656, 441.7376

■ 0.2089, 0.7066,  
1.0911

■ 0.0000, 0.0000,  
0.0000

■ 57.2858, 68.7550,  
80.7728

■ 57.2858, 68.7550,  
80.7728

■ 52.6740, 66.3977,  
79.7292

■ 62.7481, 71.5542,  
81.8649

■ 48.8631, 64.4513,  
78.7274

■ 69.0956, 74.8078,  
83.0027

■ 45.8075, 62.8942,  
77.7666

■ 76.3681, 78.5382,  
84.1895

■ 43.4545, 61.6991,  
76.8445

■ 82.8116, 81.8411,  
85.3434

41.7447, 60.8355,  
75.9581

82.9760, 81.9069,  
86.2092

40.6090, 60.2678,  
75.1043

83.1416, 81.9731,  
87.0808

39.9623, 59.9520,  
74.2791

83.3082, 82.0398,  
87.9584

39.7685, 59.8599,  
73.9182

83.4760, 82.1069,  
88.8418

83.6448, 82.1744,  
89.7311

# Harmonies

## Analogous

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



57.3979, 68.7550, 68.0145



57.2858, 68.7550, 80.7728



59.2627, 68.7550, 93.2360

# Triad

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



57.2858, 68.7550, 80.7728



71.4844, 68.7550, 94.3478



67.8487, 68.7550, 53.5237

# Complementary

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



57.2858, 68.7550, 80.7728



53.3153, 47.6873, 45.4270

# 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.



71.8396, 68.7550, 59.0768



57.2858, 68.7550, 80.7728



74.0037, 68.7550, 82.1554

# Square

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



57.2858, 68.7550, 80.7728



67.3819, 68.7550, 101.6594



74.1366, 68.7550, 69.2478



63.3585, 68.7550, 53.2442

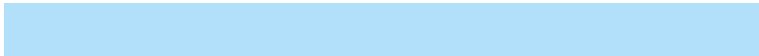


# Rectangle

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



57.2858, 68.7550, 80.7728



61.5541, 68.7550, 99.3007



74.1366, 68.7550, 69.2478



69.2979, 68.7550, 54.8038

# Sweetspot

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



57.2878, 68.7578, 80.7744



87.7694, 96.2663, 107.6741



51.8367, 66.6746, 47.6748



18.5118, 20.4643, 22.9983



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.



57.2878, 68.7578, 80.7744



71.0512, 87.7035, 104.3741



51.3186, 56.1618, 80.8118



14.7735, 16.3228, 18.3381



23.2058, 34.9144, 43.1798



1.7248, 2.5840, 3.2432



# Inverse Universe

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



53.3153, 47.6873, 45.4270



64.9981, 55.5881, 50.5065



58.1638, 57.8407, 45.6362



14.4071, 14.3800, 15.0781



18.5257, 9.5445, 1.1312

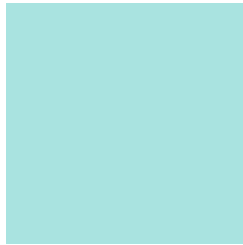


1.3797, 0.7096, 0.1401



# Previews

## White Background



This preview shows how the XYZ color 57.2858, 68.7550, 80.7728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

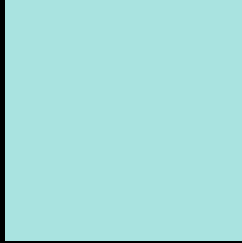
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.2858, 68.7550, 80.7728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

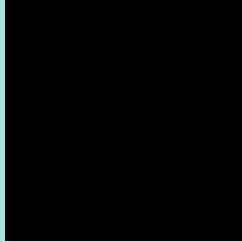
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

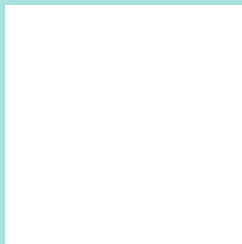
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.2858, 68.7550, 80.7728**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.2858, 68.7550, 80.7728.



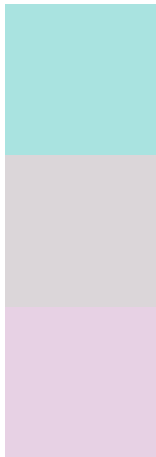
This preview shows how white text looks on a background with the XYZ color 57.2858, 68.7550,



# 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

57.2858, 68.7550, 80.7728

### Protanopia

65.7844, 68.1630, 75.3352

### Deuteranopia

69.7591, 68.1913, 82.8843



## Tritanopia

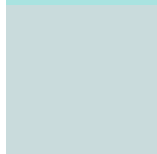
59.9162, 68.6064, 94.0888

# Trichromacy



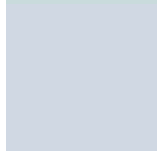
## Original Color

57.2858, 68.7550, 80.7728



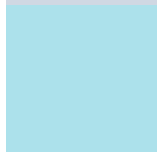
## Protanomaly

62.3372, 68.2479, 77.5978



## Deuteranomaly

64.4334, 68.0677, 82.4154



## Tritanomaly

58.9339, 68.6192, 88.7360

# Monochromacy



## Original Color

57.2858, 68.7550, 80.7728



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

58.9416, 65.4361, 73.1422

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.2858, 68.7550, 80.7728 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(169, 227, 224)` looks like.

```
.text, #text, p{  
    color:rgb(169, 227, 224)  
}
```

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(169, 227, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 227, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 57.2858, 68.7550, 80.7728 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".

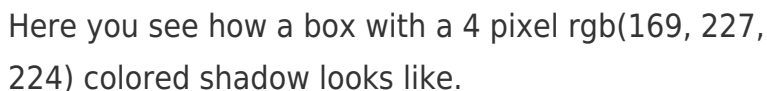
```
.border, #border, table{ border:4px solid rgb(169, 227, 224) }
```



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

```
.border{ border-color:rgb(169, 227, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 227, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 227, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 227, 224); box-shadow:4px 4px 4px 4px rgb(169, 227, 224) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.2858, 68.7550, 80.7728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 227, 224) }
```

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

```
.background{ background-color: rgb(169,  
227, 224) }
```

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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