

# Converting Colors

XYZ(57.0782, 75.4537, 87.6128)

Have a look what the booklet for  
XYZ(57.0782, 75.4537, 87.6128)  
contains.

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# Color

**XYZ(57.0973, 75.3307,  
87.8749)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 8AF3E8                       |
| RGB         | 138, 243, 232                |
| RGB Percent | 54%, 95%, 91%                |
| CMY         | 0.4588, 0.0470, 0.0902       |
| CMYK        | 0.43, 0.00, 0.05, 0.05       |
| HSL         | 174°, 81%, 75%               |
| HSV         | 174°, 43%, 95%               |
| XYZ         | 57.0973, 75.3307, 87.8749    |
| YIQ         | 210.3510, -59.0490, -25.6810 |

# Conversions

## Conversions Part 2

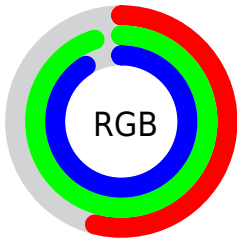
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 138, 193, 243                  |
| Decimal                             | 9106408                        |
| CIE Lab                             | 89.55, -33.06, -4.23           |
| CIE LCh                             | 90, 33.330, 187.290            |
| Yxy                                 | 75.3307, 0.2592,<br>0.3419     |
| Android<br>(android.graphics.Color) | 4287296488<br>(0xFF8AF3E8)     |
| YUV                                 | 210.3510, 10.6730,<br>-63.4518 |
| Hunter-Lab                          | 86.7933, -34.4613,<br>0.7264   |

# Details

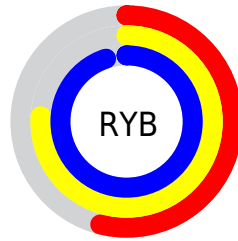
The XYZ color **57.0973, 75.3307, 87.8749** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.4780, 39.4036, 33.3289**, and the grayscale version is **61.4508, 64.6511, 70.4050**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **28.6198, 39.9147, 47.2702** is the 20% darker color. If you saturate the color by 10%, you get **53.1593, 73.3439, 85.8176**, and if you desaturate by 10%, it is **61.9442, 77.7891, 90.0054**.

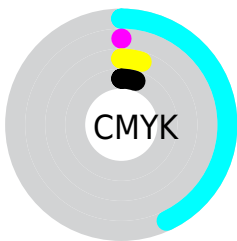
# Distribution



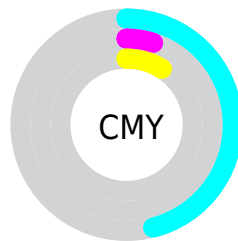
- Red (54%)
- Green (95%)
- Blue (91%)



- Red (54%)
- Yellow (76%)
- Blue (95%)



- Cyan (43%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)




- Cyan (46%)
- Magenta (5%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0973, 75.3307, 87.8749 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 57.0973, 75.3307, 87.8749 by changing the saturation by 10% instead.





 57.0973, 75.3307,  
87.8749


 57.0973, 75.3307,  
87.8749


403.8221,  
479.0535, 541.4842

 41.3238, 55.8839,  
65.6557


 99.7377, 126.7804,  
146.2926

 28.7610, 40.1098,  
47.5383


 127.3353,  
159.5520, 183.3282

 19.0434, 27.6242,  
33.1040


159.6050,  
197.5340, 226.1396

 11.8059, 18.0425,  
21.9343

196.9121,  
241.1108, 275.1455

 6.6829, 10.9805,  
13.6108

239.6220,  
290.6667, 330.7644

 3.3091, 6.0538,  
7.7148

288.1001,

 1.3193, 2.8778,

346.5862, 393.4148

3.8279

342.7117,  
409.2536, 463.5152

■ 0.1976, 1.0683,  
1.5314

■ 0.0000, 0.0000,  
0.2412

■ 57.0973, 75.3307,  
87.8749

■ 57.0973, 75.3307,  
87.8749

■ 53.1593, 73.3439,  
85.8176

■ 61.9442, 77.7891,  
90.0054

■ 50.0631, 71.7886,  
83.8253


■ 67.7487, 80.7387,  
92.2065


■ 47.7425, 70.6326,  
81.8964

■ 74.5635, 84.2086,  
94.4825


■ 46.1187, 69.8352,  
80.0272


■ 82.4359, 88.2230,  
96.8357


 45.0960, 69.3471,  
78.2129

 89.7326, 91.9401,  
99.1898

 44.6468, 69.1417,  
77.0077

 90.1236, 92.0965,  
101.2486

 90.5200, 92.2550,  
103.3357

 90.9217, 92.4157,  
105.4512

 91.3288, 92.5785,  
107.5951

# Harmonies

## Analogous

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



58.0422, 75.3307, 65.8245



57.0973, 75.3307, 87.8749



59.7956, 75.3307, 112.4682

# Triad

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



57.0973, 75.3307, 87.8749



81.5628, 75.3307, 123.3554



77.8483, 75.3307, 47.0772

# Complementary

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



57.0973, 75.3307, 87.8749



51.4780, 39.4036, 33.3289

# 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.



84.8629, 75.3307, 57.6359



57.0973, 75.3307, 87.8749



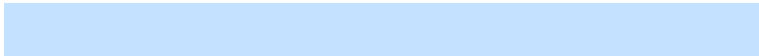
87.1189, 75.3307, 100.6807

# Square

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



57.0973, 75.3307, 87.8749



73.6150, 75.3307, 135.3387



88.3704, 75.3307, 76.4356



69.6213, 75.3307, 44.9486

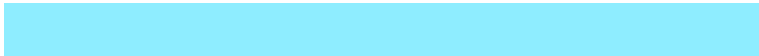


# Rectangle

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



57.0973, 75.3307, 87.8749



63.4281, 75.3307, 126.0869



88.3704, 75.3307, 76.4356



80.4444, 75.3307, 49.6454

# Sweetspot

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



57.0995, 75.3337, 87.8766



83.3340, 94.0242, 105.4587



49.2641, 72.4470, 35.4334



17.4544, 19.9302, 22.4506



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.



57.0995, 75.3337, 87.8766



59.7357, 82.0440, 95.9893



47.9581, 54.4708, 92.7837



16.9175, 18.7261, 20.8498



24.5327, 37.9579, 42.4206



2.1773, 3.3446, 3.8395



# Inverse Universe

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



51.4780, 39.4036, 33.3289



52.7137, 37.0635, 27.7781



57.5223, 52.8325, 31.2121



16.5697, 16.5107, 17.4806



20.4081, 10.5067, 1.5913

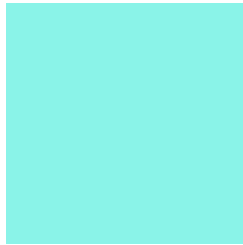


1.8166, 0.9326, 0.2607



# Previews

## White Background



This preview shows how the XYZ color 57.0973, 75.3307, 87.8749 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

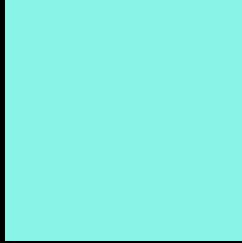
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.0973, 75.3307, 87.8749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

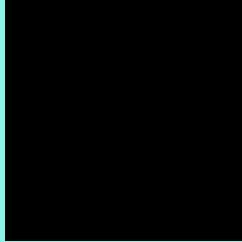
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.0973, 75.3307, 87.8749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.0973, 75.3307, 87.8749.



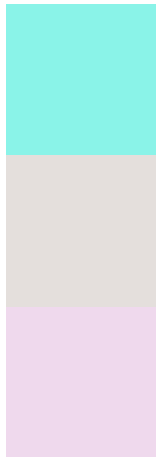
This preview shows how white text looks on a background with the XYZ color 57.0973, 75.3307,



# 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

57.0973, 75.3307, 87.8749

### Protanopia

71.3009, 74.4366, 78.3199

### Deuteranopia

75.6955, 74.0909, 90.4321



## Tritanopia

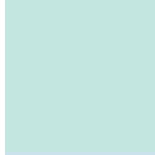
62.3348, 75.4370, 105.8831

# Trichromacy



## Original Color

57.0973, 75.3307, 87.8749



## Protanomaly

64.2570, 73.5775, 81.3362



## Deuteranomaly

66.5489, 72.9474, 89.1700



## Tritanomaly

60.3430, 75.4251, 99.3738

# Monochromacy



## Original Color

57.0973, 75.3307, 87.8749



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.5433, 67.4949, 76.2719

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0973, 75.3307, 87.8749 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(138, 243, 232)` looks like.

```
.text, #text, p{  
    color:rgb(138, 243, 232)  
}
```

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(138, 243, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 243, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0973, 75.3307, 87.8749 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(138, 243, 232) }
```



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

```
.border{ border-color:rgb(138, 243, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 243, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 243, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 243, 232);  
box-shadow:4px 4px 4px 4px rgb(138, 243,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0973, 75.3307, 87.8749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 243, 232) }
```

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

```
.background{ background-color: rgb(138,  
243, 232) }
```

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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