

# Converting Colors

XYZ(56.7163, 73.1274, 88.8064)

Have a look what the booklet for  
XYZ(56.7163, 73.1274, 88.8064)  
contains.

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# Color

**XYZ(56.5811, 72.8404,  
88.9194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EEEEA
RGB	142, 238, 234
RGB Percent	56%, 93%, 92%
CMY	0.4431, 0.0666, 0.0823
CMYK	0.40, 0.00, 0.02, 0.07
HSL	177°, 74%, 75%
HSV	177°, 40%, 93%
XYZ	56.5811, 72.8404, 88.9194
YIQ	208.8400, -55.9320, -21.5960

# Conversions

## Conversions Part 2

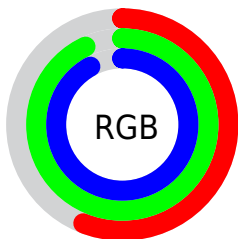
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 191, 238
Decimal	9367274
CIELab	88.37, -29.27, -6.99
CIElCh	88, 30.090, 193.437
Yxy	72.8404, 0.2591, 0.3336
Android (android.graphics.Color)	4287557354 (0xFF8EEEEA)
YUV	208.8400, 12.4039, -58.6187
Hunter-Lab	85.3466, -31.0187, -2.0294

# Details

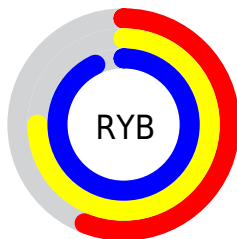
The XYZ color **56.5811, 72.8404, 88.9194** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.1236, 39.6004, 32.1985**, and the grayscale version is **60.4496, 63.5977, 69.2579**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **28.4200, 38.5551, 48.0635** is the 20% darker color. If you saturate the color by 10%, you get **52.7839, 70.9011, 88.0011**, and if you desaturate by 10%, it is **61.2551, 75.2352, 89.8861**.

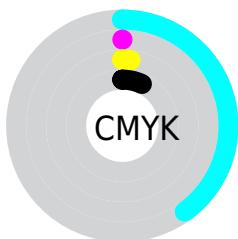
# Distribution



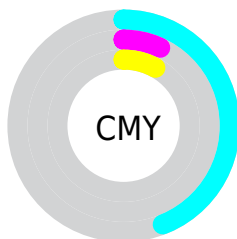
- Red (56%)
- Green (93%)
- Blue (92%)



- Red (56%)
- Yellow (75%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (44%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5811, 72.8404, 88.9194 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 56.5811, 72.8404, 88.9194 by changing the saturation by 10% instead.



56.5811, 72.8404,  
88.9194

56.5811, 72.8404,  
88.9194

401.9174,  
470.4615, 544.9885

40.9078, 53.8455,  
66.5161

98.9886, 123.2506,  
147.7589

28.4344, 38.4781,  
48.2324

126.4535,  
155.4347, 185.0321

18.7955, 26.3540,  
33.6496

158.5798,  
192.7839, 228.0990

11.6257, 17.0886,  
22.3494

195.7326,  
235.6827, 277.3782

6.5598, 10.2977,  
13.9131

238.2774,  
284.5155, 333.2883

3.2322, 5.5968,  
7.9222

286.5796,

1.2777, 2.6015,

339.6666, 396.2476

3.9581

341.0045,  
401.5205, 466.6749

■ 0.1664, 0.9274,  
1.6024

■ 0.0000, 0.0000,  
0.2925

■ 56.5811, 72.8404,  
88.9194

■ 56.5811, 72.8404,  
88.9194

■ 52.7839, 70.9011,  
88.0011

■ 61.2551, 75.2352,  
89.8861

■ 49.8012, 69.3798,  
87.1235


■ 66.8506, 78.1032,  
90.8985


■ 47.5725, 68.2471,  
86.2853


■ 73.4169, 81.4715,  
91.9605


■ 46.0264, 67.4662,  
85.4832


■ 80.9977, 85.3628,  
93.0742


 45.0776, 66.9931,  
84.7132


 87.3903, 88.6414,  
94.1365

 44.5906, 66.7575,  
83.9932

 87.5374, 88.7002,  
94.9106

 87.6852, 88.7593,  
95.6891

 87.8338, 88.8188,  
96.4717

 87.9833, 88.8786,  
97.2587

# Harmonies

## Analogous

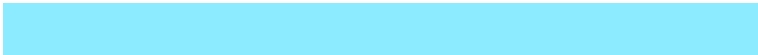
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.7528, 72.8404, 68.5012



56.5811, 72.8404, 88.9194



59.6274, 72.8404, 109.9301

# Triad

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



56.5811, 72.8404, 88.9194



79.2298, 72.8404, 111.8495



73.2688, 72.8404, 46.9623

# Complementary

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



56.5811, 72.8404, 88.9194



50.1236, 39.6004, 32.1985

# 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.



79.8177, 72.8404, 54.9810



56.5811, 72.8404, 88.9194



83.4197, 72.8404, 91.2017

# Square

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



56.5811, 72.8404, 88.9194



72.5110, 72.8404, 124.6409



83.6421, 72.8404, 70.4206



66.0545, 72.8404, 46.5672

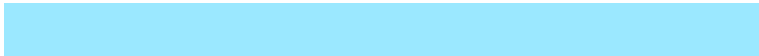


# Rectangle

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



56.5811, 72.8404, 88.9194



63.2044, 72.8404, 120.4832



83.6421, 72.8404, 70.4206



75.6325, 72.8404, 48.7825

# Sweetspot

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



56.5832, 72.8433, 88.9211



84.4698, 94.5694, 107.3362



47.4560, 69.2896, 36.4656



17.8559, 20.1268, 22.9391



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.



56.5832, 72.8433, 88.9211



62.6090, 83.3697, 103.1497



46.0604, 50.8668, 88.2829



16.2172, 17.9169, 20.1668



24.8886, 37.2474, 46.9235



2.0793, 3.1022, 3.9499



# Inverse Universe

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



50.1236, 39.6004, 32.1985



54.1389, 39.7521, 28.7518



57.5357, 54.9143, 33.1596



15.7995, 15.7695, 16.5004



19.7134, 10.1578, 1.1415

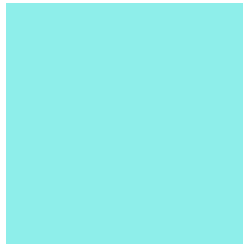


1.6493, 0.8488, 0.1441



# Previews

## White Background



This preview shows how the XYZ color 56.5811, 72.8404, 88.9194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

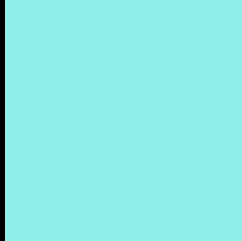
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.5811, 72.8404, 88.9194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

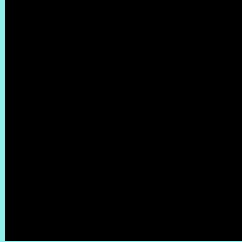
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.5811, 72.8404, 88.9194

## Background



This preview shows how black text looks on a background with the XYZ color 56.5811, 72.8404, 88.9194.



This preview shows how white text looks on a background with the XYZ color 56.5811, 72.8404,



# 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

56.5811, 72.8404, 88.9194

### Protanopia

69.3913, 71.8380, 80.0209

### Deuteranopia

73.5582, 71.8176, 91.6466



## Tritanopia

59.6303, 72.7755, 104.6701

# Trichromacy



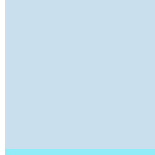
## Original Color

56.5811, 72.8404, 88.9194



## Protanomaly

63.3096, 71.4081, 83.1194



## Deuteranomaly

65.7611, 71.3073, 90.4185



## Tritanomaly

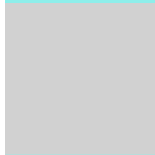
58.4610, 72.7260, 98.9520

# Monochromacy



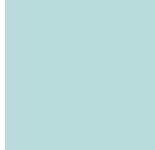
## Original Color

56.5811, 72.8404, 88.9194



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

58.2557, 66.5626, 76.1071

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.5811, 72.8404, 88.9194 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(142, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(142, 238, 234)  
}
```

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(142, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 238, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 56.5811, 72.8404, 88.9194 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(142, 238, 234) }
```



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

```
.border{ border-color:rgb(142, 238, 234) }
```

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

Here you see how a box with a 4 pixel rgb(142, 238, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 238, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 238, 234);  
box-shadow:4px 4px 4px 4px rgb(142, 238,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.5811, 72.8404, 88.9194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 238, 234) }
```

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

```
.background{ background-color: rgb(142,  
238, 234) }
```

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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