

# Converting Colors

XYZ(53.8123, 72.2065, 71.7891)

Have a look what the booklet for  
XYZ(53.8123, 72.2065, 71.7891)  
contains.

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# Color

**XYZ(53.8271, 72.2258,  
72.0768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FEFD2
RGB	143, 239, 210
RGB Percent	56%, 94%, 82%
CMY	0.4392, 0.0627, 0.1765
CMYK	0.40, 0.00, 0.12, 0.06
HSL	162°, 75%, 75%
HSV	162°, 40%, 94%
XYZ	53.8271, 72.2258, 72.0768
YIQ	206.9900, -47.9070, -29.3710

# Conversions

## Conversions Part 2

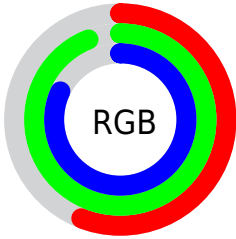
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 200, 239
Decimal	9433042
CIELab	88.08, -34.94, 5.14
CIELCh	88, 35.311, 171.632
Yxy	72.2258, 0.2717, 0.3645
Android (android.graphics.Color)	4287623122 (0xFF8FEFD2)
YUV	206.9900, 1.4839, -56.1192
Hunter-Lab	84.9858, -35.6692, 9.2059

# Details

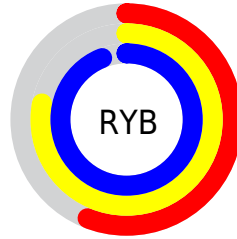
The XYZ color **53.8271, 72.2258, 72.0768** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.8680, 40.9762, 44.1553**, and the grayscale version is **59.3163, 62.4054, 67.9594**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **26.8647, 38.2935, 37.4280** is the 20% darker color. If you saturate the color by 10%, you get **49.2431, 69.9661, 67.2729**, and if you desaturate by 10%, it is **59.3371, 74.9619, 77.1391**.

# Distribution



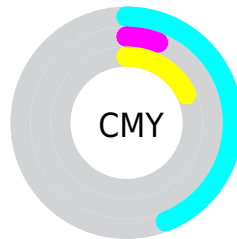
- Red (56%)
- Green (94%)
- Blue (82%)



- Red (56%)
- Yellow (78%)
- Blue (94%)



- Cyan (40%)
- Magenta (0%)
- Yellow (12%)
- Black (6%)




- Cyan (44%)
- Magenta (6%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8271, 72.2258, 72.0768 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 53.8271, 72.2258, 72.0768 by changing the saturation by 10% instead.





 53.8271, 72.2258,  
72.0768


 53.8271, 72.2258,  
72.0768


391.6595,  
468.3271, 486.7936

 38.6936, 53.3432,  
52.7342


 94.9787, 122.3775,  
123.8745

 26.7011, 38.0768,  
37.2044


 121.7275,  
154.4153, 157.1666

 17.4843, 26.0423,  
25.0687


153.0788,  
191.6070, 195.9456

 10.6778, 16.8553,  
15.9088

189.3978,  
234.3370, 240.6301

 5.9163, 10.1314,  
9.3060

231.0501,  
282.9896, 291.6386

 2.8344, 5.4861,  
4.8418

278.4009,

 1.0668, 2.5352,

337.9492, 349.3897

2.0976

331.8156,  
399.6003, 414.3018

■ 0.0000, 0.8942,  
0.6143

■ 0.0000, 0.0000,  
0.0000

■ 53.8271, 72.2258,  
72.0768

■ 53.8271, 72.2258,  
72.0768

■ 49.2431, 69.9661,  
67.2729

■ 59.3371, 74.9619,  
77.1391

■ 45.5220, 68.1448,  
62.7170


■ 65.8191, 78.1924,  
82.4599


■ 42.6024, 66.7321,  
58.4049


■ 73.3231, 81.9450,  
88.0458

■ 40.4115, 65.6906,  
54.3304


■ 81.8940, 86.2427,  
93.9015

 38.8629, 64.9758,  
50.4864

 88.7583, 89.6558,  
99.8998

 37.8243, 64.5182,  
46.9220

 89.8892, 90.1081,  
105.8548

 90.1578, 90.2155,  
107.2693

# Harmonies

## Analogous

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



56.7071, 72.2258, 53.2012



53.8271, 72.2258, 72.0768



54.6553, 72.2258, 97.0275

# Triad

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



53.8271, 72.2258, 72.0768



74.7994, 72.2258, 130.1730



79.2101, 72.2258, 47.5692

# Complementary

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



53.8271, 72.2258, 72.0768



52.8680, 40.9762, 44.1553

# 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.



84.8467, 72.2258, 62.7387



53.8271, 72.2258, 72.0768



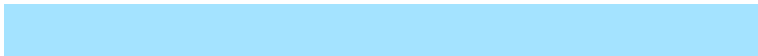
82.1586, 72.2258, 111.1217

# Square

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



53.8271, 72.2258, 72.0768



66.3162, 72.2258, 134.0954



85.9677, 72.2258, 85.5934



71.0347, 72.2258, 41.0722

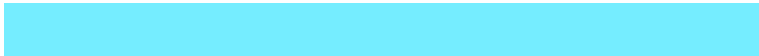


# Rectangle

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



53.8271, 72.2258, 72.0768



57.2311, 72.2258, 113.6918



85.9677, 72.2258, 85.5934



81.4914, 72.2258, 51.6555

# Sweetspot

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



53.8291, 72.2287, 72.0785



83.2216, 94.0701, 100.7633



53.1489, 72.6491, 37.2093



17.5606, 20.0086, 21.3838



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

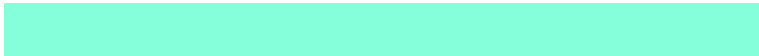


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.8291, 72.2287, 72.0785



58.0276, 81.5372, 79.0248



52.8722, 63.9988, 91.2310



16.0321, 17.8429, 19.1920



20.9626, 35.6771, 26.2497



1.7878, 2.9855, 2.4147



# Inverse Universe

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



52.8680, 40.9762, 44.1553



56.7887, 40.8121, 42.7055



53.2319, 45.6861, 32.0006



15.9693, 15.8374, 17.3948



20.3723, 10.4213, 4.6111

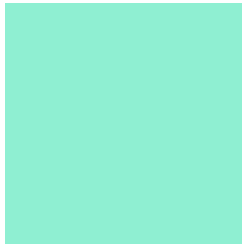


1.7373, 0.8839, 0.6072



# Previews

## White Background



This preview shows how the XYZ color 53.8271, 72.2258, 72.0768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

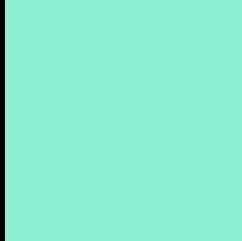
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8271, 72.2258, 72.0768 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 53.8271, 72.2258, 72.0768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8271, 72.2258, 72.0768.



This preview shows how white text looks on a background with the XYZ color 53.8271, 72.2258,

72.0768.

# 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

53.8271, 72.2258, 72.0768

### Protanopia

67.6352, 71.2805, 64.2266

### Deuteranopia

72.8069, 71.4236, 74.9145



## Tritanopia

59.8465, 72.0784, 102.8537

# Trichromacy



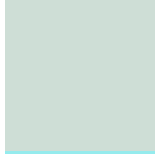
## Original Color

53.8271, 72.2258, 72.0768



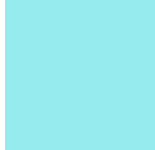
## Protanomaly

61.0018, 70.5748, 66.9071



## Deuteranomaly

63.7125, 70.2194, 73.8140



## Tritanomaly

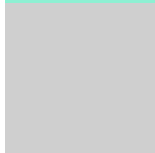
57.3888, 71.9206, 90.9781

# Monochromacy



## Original Color

53.8271, 72.2258, 72.0768



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

56.4838, 65.4074, 69.3224

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8271, 72.2258, 72.0768 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(143, 239, 210)` looks like.

```
.text, #text, p{  
    color:rgb(143, 239, 210)  
}
```

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(143, 239, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 239, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8271, 72.2258, 72.0768 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(143, 239, 210) }
```



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

```
.border{ border-color:rgb(143, 239, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 239, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 239, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 239, 210);  
box-shadow:4px 4px 4px 4px rgb(143, 239,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8271, 72.2258, 72.0768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 239, 210) }
```

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

```
.background{ background-color: rgb(143,  
239, 210) }
```

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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