

# Converting Colors

XYZ(55.7992, 71.7961, 91.9796)

Have a look what the booklet for  
XYZ(55.7992, 71.7961, 91.9796)  
contains.

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# Color

**XYZ(55.8701, 71.9757,  
91.8369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88EDEE
RGB	136, 237, 238
RGB Percent	53%, 93%, 93%
CMY	0.4667, 0.0706, 0.0667
CMYK	0.43, 0.00, 0.00, 0.07
HSL	181°, 75%, 73%
HSV	181°, 43%, 93%
XYZ	55.8701, 71.9757, 91.8369
YIQ	206.9150, -60.5170, -21.1010

# Conversions

## Conversions Part 2

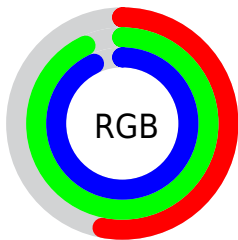
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 187, 238
Decimal	8973806
CIE <sub>Lab</sub>	87.96, -29.25, -9.73
CIE <sub>LCh</sub>	88, 30.824, 198.400
Yxy	71.9757, 0.2543, 0.3276
Android (android.graphics.Color)	4287163886 (0xFF88EDEE)
YUV	206.9150, 15.3249, -62.1925
Hunter-Lab	84.8385, -30.9168, -4.7939

# Details

The XYZ color **55.8701, 71.9757, 91.8369** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.6505, 37.8468, 28.0351**, and the grayscale version is **59.1876, 62.2700, 67.8120**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **28.0279, 38.0029, 50.1140** is the 20% darker color. If you saturate the color by 10%, you get **52.3590, 70.0674, 91.6549**, and if you desaturate by 10%, it is **60.2438, 74.3322, 92.0625**.

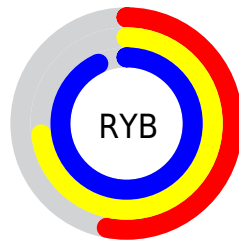
# Distribution



Red (53%)

Green (93%)

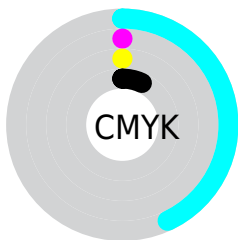
Blue (93%)



Red (53%)

Yellow (73%)

Blue (93%)

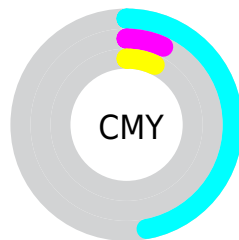


Cyan (43%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (47%)

Magenta (7%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8701, 71.9757, 91.8369 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 55.8701, 71.9757, 91.8369 by changing the saturation by 10% instead.



55.8701, 71.9757,  
91.8369

55.8701, 71.9757,  
91.8369

399.2847,  
467.4570, 554.7118

40.3354, 53.1388,  
68.9229

97.9555, 122.0220,  
151.8451

27.9855, 37.9136,  
50.1776

125.2370,  
154.0002, 189.7763

18.4551, 25.9156,  
35.1823

157.1647,  
191.1276, 233.5503

11.3789, 16.7605,  
23.5187

194.1040,  
233.7887, 283.5857

6.3915, 10.0639,  
14.7681

236.4203,  
282.3677, 340.3011

3.1274, 5.4414,  
8.5120

284.4790,

1.2215, 2.5085,

337.2492, 404.1148

4.3318

338.6453,  
398.8175, 475.4456

■ 0.1233, 0.8809,  
1.8091

■ 0.0000, 0.0000,  
0.4339

■ 55.8701, 71.9757,  
91.8369

■ 55.8701, 71.9757,  
91.8369

■ 52.3590, 70.0674,  
91.6549

■ 60.2438, 74.3322,  
92.0625

■ 49.6465, 68.5692,  
91.5087


■ 65.5257, 77.1554,  
92.3290


■ 47.6703, 67.4507,  
91.3969


■ 71.7661, 80.4728,  
92.6404


■ 46.3560, 66.6736,  
91.3162


■ 79.0096, 84.3074,  
92.9988

 45.6136, 66.1915,  
91.2623


 87.2963, 88.6800,  
93.4061

 45.3346, 65.9766,  
91.2355

 87.3641, 88.8157,  
93.4287

 87.4321, 88.9516,  
93.4513

 87.5001, 89.0877,  
93.4740

 87.5683, 89.2240,  
93.4967

# Harmonies

## Analogous

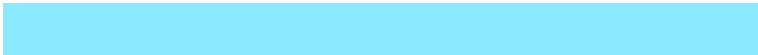
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.4923, 71.9757, 70.5171



55.8701, 71.9757, 91.8369



59.4591, 71.9757, 112.6593

# Triad

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



55.8701, 71.9757, 91.8369



79.5203, 71.9757, 108.3950



71.2890, 71.9757, 45.0604

# Complementary

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



55.8701, 71.9757, 91.8369



48.6505, 37.8468, 28.0351

# 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.



78.2185, 71.9757, 51.8558



55.8701, 71.9757, 91.8369



83.1930, 71.9757, 86.7838

# Square

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



55.8701, 71.9757, 91.8369



72.9644, 71.9757, 123.3355



82.7002, 71.9757, 66.2872



64.0506, 71.9757, 45.9241

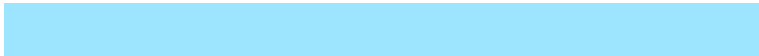


# Rectangle

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



55.8701, 71.9757, 91.8369



63.3441, 71.9757, 122.2935



82.7002, 71.9757, 66.2872



73.7406, 71.9757, 46.4670

# Sweetspot

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



55.8722, 71.9785, 91.8386



83.7850, 94.0393, 108.3432



45.1732, 68.1622, 34.0698



17.5671, 19.9339, 23.1717



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.



55.8722, 71.9785, 91.8386



61.8558, 82.2875, 107.2307



43.3578, 46.9495, 87.6671



16.2334, 17.9009, 20.3212



25.2978, 36.8199, 50.9015



2.1088, 3.0716, 4.2359



# Inverse Universe

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



59.3518, 41.9015, 85.0836



66.4132, 43.0529, 98.3477



57.4756, 55.4969, 30.9767



16.4472, 16.0286, 19.9114



28.0948, 13.5103, 45.2772

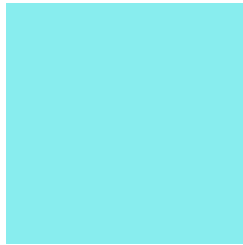


2.3394, 1.1248, 3.7779



# Previews

## White Background



This preview shows how the XYZ color 55.8701, 71.9757, 91.8369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

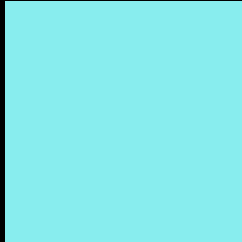
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8701, 71.9757, 91.8369 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 55.8701, 71.9757, 91.8369

## Background



This preview shows how black text looks on a background with the XYZ color 55.8701, 71.9757, 91.8369.



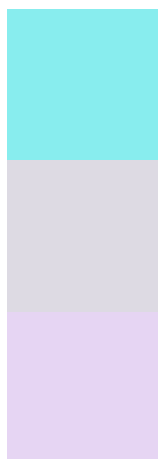
This preview shows how white text looks on a background with the XYZ color 55.8701, 71.9757,

91.8369.

# 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

55.8701, 71.9757, 91.8369

### Protanopia

68.7553, 71.0610, 82.7654

### Deuteranopia

72.6050, 70.8826, 94.6490



## Tritanopia

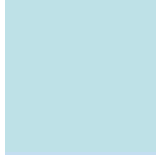
58.5822, 72.2351, 104.6211

# Trichromacy



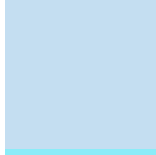
## Original Color

55.8701, 71.9757, 91.8369



## Protanomaly

62.5842, 70.5671, 85.9236



## Deuteranomaly

64.7634, 70.3292, 93.3806



## Tritanomaly

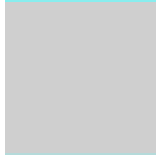
57.5862, 72.2572, 99.7189

# Monochromacy



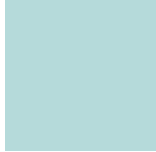
## Original Color

55.8701, 71.9757, 91.8369



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

56.7823, 65.0285, 75.8887

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8701, 71.9757, 91.8369 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(136, 237, 238)` looks like.

```
.text, #text, p{  
    color:rgb(136, 237, 238)  
}
```

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(136, 237, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 237, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8701, 71.9757, 91.8369 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(136, 237, 238) }
```



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

```
.border{ border-color:rgb(136, 237, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 237, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 237, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 237, 238); box-shadow:4px 4px 4px 4px rgb(136, 237, 238) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8701, 71.9757, 91.8369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 237, 238) }
```

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

```
.background{ background-color: rgb(136,  
237, 238) }
```

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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