

Converting Colors

XYZ(55.0138, 70.5667, 89.0158)

Have a look what the booklet for
XYZ(55.0138, 70.5667, 89.0158)
contains.

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Color

**XYZ(55.1850, 70.8181,
89.3580)**

Conversions

Conversions Part 1

Format	Color
Hex	8AEBEB
RGB	138, 235, 235
RGB Percent	54%, 92%, 92%
CMY	0.4588, 0.0784, 0.0784
CMYK	0.41, 0.00, 0.00, 0.08
HSL	180°, 71%, 73%
HSV	180°, 41%, 92%
XYZ	55.1850, 70.8181, 89.3580
YIQ	205.9970, -57.8120, -20.5640

Conversions

Conversions Part 2

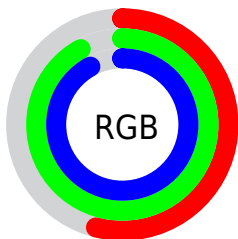
Format	Color
R _Y B	138, 187, 235
Decimal	9104363
CIE Lab	87.40, -28.55, -8.98
CIE LCh	87, 29.931, 197.459
Yxy	70.8181, 0.2562, 0.3288
Android (android.graphics.Color)	4287294443 (0xFF8AEBEB)
YUV	205.9970, 14.2985, -59.6334
Hunter-Lab	84.1535, -30.2144, -4.0494

Details

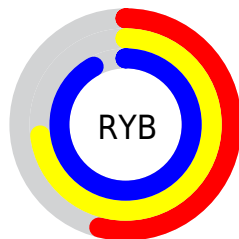
The XYZ color **55.1850, 70.8181, 89.3580** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.9393, 37.6763, 28.7929**, and the grayscale version is **58.6040, 61.6560, 67.1434**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **27.5650, 37.2003, 48.3754** is the 20% darker color. If you saturate the color by 10%, you get **51.7102, 69.0285, 89.1965**, and if you desaturate by 10%, it is **59.5051, 73.0469, 89.5622**.

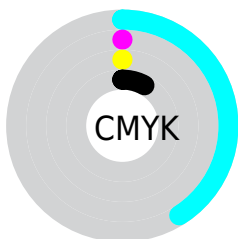
Distribution



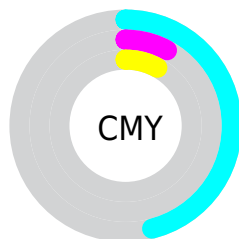
- Red (54%)
- Green (92%)
- Blue (92%)



- Red (54%)
- Yellow (73%)
- Blue (92%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (46%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1850, 70.8181, 89.3580 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 55.1850, 70.8181, 89.3580 by changing the saturation by 10% instead.


 55.1850, 70.8181,
89.3580

 55.1850, 70.8181,
89.3580


396.7378,
463.4173, 546.4564

 39.7843, 52.1938,
66.8776


 96.9587, 120.3747,
148.3740

 27.5539, 37.1595,
48.5242

 124.0624,
152.0757, 185.7467

 18.1284, 25.3310,
33.8792


155.7978,
188.9045, 228.9206

 11.1424, 16.3239,
22.5242

192.5303,
231.2453, 278.3141

 6.2307, 9.7536,
14.0406

234.6251,
279.4826, 334.3460

 3.0279, 5.2359,
8.0098

282.4478,

 1.1685, 2.3863,

334.0008, 397.4346

4.0134

336.3636,
395.1842, 467.9985

■ 0.0813, 0.8188,
1.6327

■ 0.0000, 0.0000,
0.3140

■ 55.1850, 70.8181,
89.3580

■ 55.1850, 70.8181,
89.3580

■ 51.7102, 69.0285,
89.1965

■ 59.5051, 73.0469,
89.5622

■ 49.0197, 67.6415,
89.0702


■ 64.7142, 75.7322,
89.8064


■ 47.0543, 66.6283,
88.9777


■ 70.8602, 78.9006,
90.0944


■ 45.7436, 65.9526,
88.9160


■ 77.9862, 82.5742,
90.4283


 45.0035, 65.5711,
88.8809


 85.9455, 86.6774,
90.8013

 44.7046, 65.4170,
88.8666

 85.9456, 86.6774,
90.8017

 85.9457, 86.6774,
90.8021

 85.9458, 86.6775,
90.8026

 85.9459, 86.6775,
90.8030

Harmonies

Analogous

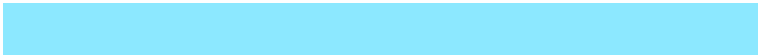
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9216, 70.8181, 68.9791



55.1850, 70.8181, 89.3580



58.5515, 70.8181, 109.4106

Triad

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



55.1850, 70.8181, 89.3580



77.8049, 70.8181, 106.4620



70.2983, 70.8181, 45.0709

Complementary

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



55.1850, 70.8181, 89.3580



47.9393, 37.6763, 28.7929

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.



76.9022, 70.8181, 51.8869



55.1850, 70.8181, 89.3580



81.4350, 70.8181, 85.8535

Square

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



55.1850, 70.8181, 89.3580



71.4617, 70.8181, 120.4088



81.0935, 70.8181, 66.0336



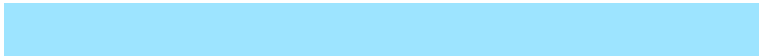
63.3233, 70.8181, 45.6766

Rectangle

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



55.1850, 70.8181, 89.3580



62.2445, 70.8181, 118.8303



81.0935, 70.8181, 66.0336



72.6441, 70.8181, 46.5125

Sweetspot

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



55.1871, 70.8209, 89.3597



84.6745, 94.6512, 108.4138



45.0487, 66.7967, 34.5652



17.9045, 20.1462, 23.1947



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.



55.1871, 70.8209, 89.3597



62.6366, 83.2903, 107.3805



43.4870, 47.4202, 85.4613



15.5177, 17.1219, 19.4092



24.8792, 36.4062, 49.4564



1.9536, 2.8588, 3.8835

Inverse Universe

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



47.9393, 37.6763, 28.7929



52.7578, 38.1137, 24.8270



56.1755, 54.1489, 31.5375



15.0655, 15.0541, 15.6305



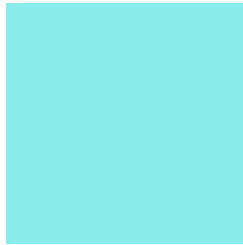
19.0678, 9.8298, 0.8925



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 55.1850, 70.8181, 89.3580 looks on a white background.

Color Contrast Check

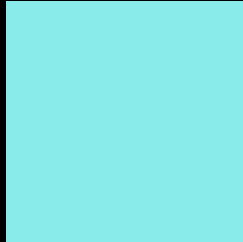
Large Text (above 18pt) WCAG AA × Fail

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 55.1850, 70.8181, 89.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

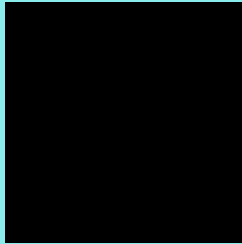
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.1850, 70.8181, 89.3580

Background



This preview shows how black text looks on a background with the XYZ color 55.1850, 70.8181, 89.3580.

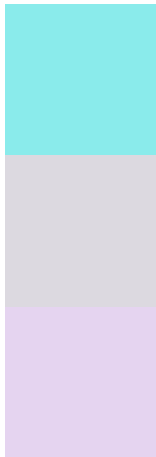


This preview shows how white text looks on a background with the XYZ color 55.1850, 70.8181,

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

55.1850, 70.8181, 89.3580

Protanopia

67.7826, 70.2232, 80.5029

Deuteranopia

71.5848, 70.0363, 92.1835



Tritanopia

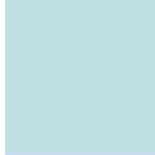
57.5969, 70.5179, 101.8424

Trichromacy



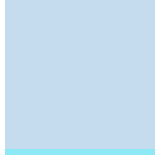
Original Color

55.1850, 70.8181, 89.3580



Protanomaly

61.8945, 69.8599, 83.6209



Deuteranomaly

63.7908, 69.0952, 90.8635



Tritanomaly

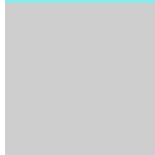
56.6048, 70.5331, 97.0171

Monochromacy



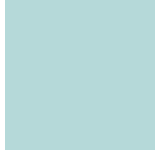
Original Color

55.1850, 70.8181, 89.3580



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.3933, 64.4592, 75.1153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1850, 70.8181, 89.3580 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, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(138, 235, 235)  
}
```

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, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 235, 235) }
```

Border

The CSS property to change the border of an element to XYZ 55.1850, 70.8181, 89.3580 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, 235, 235) }
```


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

```
.border{ border-color:rgb(138, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(138, 235,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1850, 70.8181, 89.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 235, 235) }
```

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

```
.background{ background-color: rgb(138,  
235, 235) }
```

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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