

Converting Colors

XYZ(55.9769, 71.7198, 89.8531)

Have a look what the booklet for
XYZ(55.9769, 71.7198, 89.8531)
contains.

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Color

**XYZ(55.8061, 71.5645,
89.4693)**

Conversions

Conversions Part 1

Format	Color
Hex	8CECEB
RGB	140, 236, 235
RGB Percent	55%, 93%, 92%
CMY	0.4510, 0.0745, 0.0784
CMYK	0.41, 0.00, 0.00, 0.07
HSL	179°, 72%, 74%
HSV	179°, 41%, 93%
XYZ	55.8061, 71.5645, 89.4693
YIQ	207.1820, -56.8950, -20.6630

Conversions

Conversions Part 2

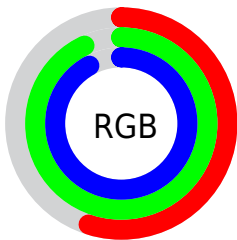
Format	Color
RYB	140, 188, 236
Decimal	9235691
CIELab	87.76, -28.55, -8.43
CIELCh	88, 29.772, 196.455
Yxy	71.5645, 0.2574, 0.3300
Android (android.graphics.Color)	4287425771 (0xFF8CECEB)
YUV	207.1820, 13.7143, -58.9186
Hunter-Lab	84.5958, -30.2899, -3.4886

Details

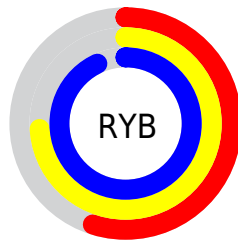
The XYZ color **55.8061, 71.5645, 89.4693** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.7804, 38.5143, 30.0650**, and the grayscale version is **59.3679, 62.4597, 68.0186**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **27.9376, 37.6910, 48.4505** is the 20% darker color. If you saturate the color by 10%, you get **52.2129, 69.7180, 89.1170**, and if you desaturate by 10%, it is **60.2563, 73.8563, 89.8651**.

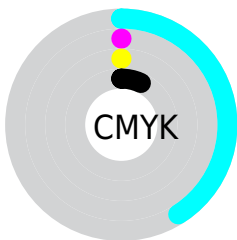
Distribution



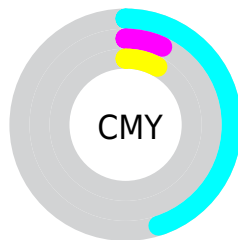
- Red (55%)
- Green (93%)
- Blue (92%)



- Red (55%)
- Yellow (74%)
- Blue (93%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (45%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8061, 71.5645, 89.4693 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 55.8061, 71.5645, 89.4693 by changing the saturation by 10% instead.

55.8061, 71.5645,
89.4693

55.8061, 71.5645,
89.4693

399.0472,
466.0244, 546.8285

40.2839, 52.8030,
66.9693

97.8625, 121.4372,
148.5301

27.9451, 37.6455,
48.5983

125.1273,
153.3171, 185.9280

18.4246, 25.7077,
33.9376

157.0371,
190.3387, 229.1289

11.3568, 16.6051,
22.5687

193.9572,
232.8862, 278.5515

6.3764, 9.9533,
14.0730

236.2528,
281.3442, 334.6142

3.1181, 5.3680,
8.0322

284.2895,

1.2165, 2.4648,

336.0969, 397.7355

4.0275

338.4325,
397.5289, 468.3341

■ 0.1193, 0.8589,
1.6404

■ 0.0000, 0.0000,
0.3194

■ 55.8061, 71.5645,
89.4693

■ 55.8061, 71.5645,
89.4693

■ 52.2129, 69.7180,
89.1170

■ 60.2563, 73.8563,
89.8651

■ 49.4155, 68.2799,
88.8006

■ 65.6074, 76.6107,
90.3018

■ 47.3543, 67.2215,
88.5189

■ 71.9076, 79.8545,
90.7832

■ 45.9591, 66.5063,
88.2686

■ 79.2003, 83.6099,
91.3112

45.1457, 66.0911,
88.0458

86.4109, 87.3229,
91.8357

44.7818, 65.9073,
87.8568

86.4468, 87.3373,
92.0247

86.4827, 87.3517,
92.2139

86.5187, 87.3661,
92.4034

86.5548, 87.3805,
92.5932

Harmonies

Analogous

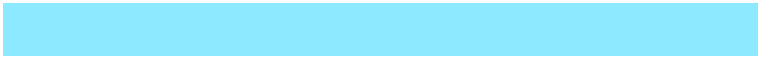
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.6498, 71.5645, 69.1604



55.8061, 71.5645, 89.4693



59.0840, 71.5645, 109.6591

Triad

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



55.8061, 71.5645, 89.4693



78.3489, 71.5645, 107.9140



71.2513, 71.5645, 45.8889

Complementary

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



55.8061, 71.5645, 89.4693



48.7804, 38.5143, 30.0650

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.



77.8142, 71.5645, 52.9874



55.8061, 71.5645, 89.4693



82.0994, 71.5645, 87.3931

Square

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



55.8061, 71.5645, 89.4693



71.9408, 71.5645, 121.5043



81.8972, 71.5645, 67.4129



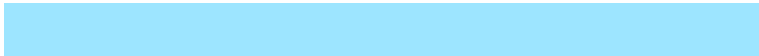
64.2441, 71.5645, 46.2491

Rectangle

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



55.8061, 71.5645, 89.4693



62.7364, 71.5645, 119.3050



81.8972, 71.5645, 67.4129



73.5920, 71.5645, 47.4210

Sweetspot

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



55.8082, 71.5673, 89.4710



84.6232, 94.6307, 108.1437



45.8181, 67.6027, 35.4464



17.8923, 20.1413, 23.1306



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.



55.8082, 71.5673, 89.4710



62.8142, 83.4060, 106.2986



44.2847, 48.2879, 86.3464



15.5105, 17.1190, 19.3712



24.6869, 36.3292, 48.4436



1.9407, 2.8536, 3.8156

Inverse Universe

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



48.7804, 38.5143, 30.0650



53.3501, 38.8869, 26.2930



56.9716, 55.0155, 32.4290



15.0719, 15.0566, 15.6638



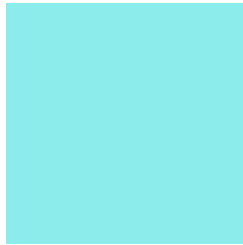
19.0781, 9.8339, 0.9469



1.5003, 0.7731, 0.0862

Previews

White Background



This preview shows how the XYZ color 55.8061, 71.5645, 89.4693 looks on a white background.

Color Contrast Check

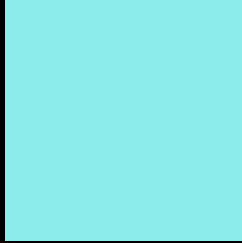
Large Text (above 18pt) WCAG AA × Fail

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 55.8061, 71.5645, 89.4693 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 55.8061, 71.5645, 89.4693

Background



This preview shows how black text looks on a background with the XYZ color 55.8061, 71.5645, 89.4693.

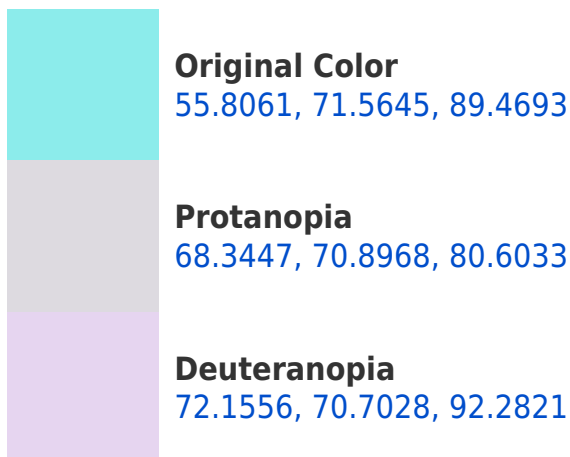


This preview shows how white text looks on a background with the XYZ color 55.8061, 71.5645,

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





Tritanopia

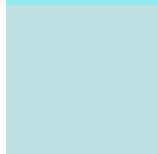
58.3867, 71.3258, 102.7854

Trichromacy



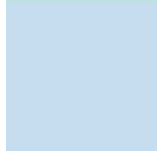
Original Color

55.8061, 71.5645, 89.4693



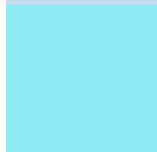
Protanomaly

62.6670, 70.6583, 83.7343



Deuteranomaly

64.3150, 69.7563, 90.9635



Tritanomaly

57.3851, 71.3391, 97.9341

Monochromacy



Original Color

55.8061, 71.5645, 89.4693



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

57.1242, 65.2198, 75.2236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8061, 71.5645, 89.4693 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(140, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(140, 236, 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(140, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 236, 235) }
```

Border

The CSS property to change the border of an element to XYZ 55.8061, 71.5645, 89.4693 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(140, 236, 235) }
```


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

```
.border{ border-color:rgb(140, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(140, 236,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8061, 71.5645, 89.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 236, 235) }
```

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

```
.background{ background-color: rgb(140,  
236, 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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