

Converting Colors

XYZ(55.8914, 68.1562, 87.6552)

Have a look what the booklet for
XYZ(55.8914, 68.1562, 87.6552)
contains.

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Color

**XYZ(55.9690, 68.3386,
87.3316)**

Conversions

Conversions Part 1

Format	Color
Hex	9BE4E9
RGB	155, 228, 233
RGB Percent	61%, 89%, 91%
CMY	0.3921, 0.1059, 0.0863
CMYK	0.33, 0.02, 0.00, 0.09
HSL	184°, 64%, 76%
HSV	184°, 33%, 91%
XYZ	55.9690, 68.3386, 87.3316
YIQ	206.7430, -45.1130, -13.9210

Conversions

Conversions Part 2

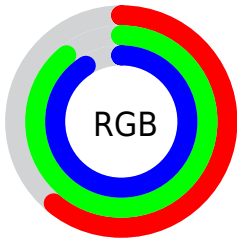
Format	Color
RYB	155, 193, 233
Decimal	10216681
CIELab	86.18, -21.32, -9.66
CIELCh	86, 23.408, 204.370
Yxy	68.3386, 0.2645, 0.3229
Android (android.graphics.Color)	4288406761 (0xFF9BE4E9)
YUV	206.7430, 12.9447, -45.3786
Hunter-Lab	82.6672, -23.8158, -4.7684

Details

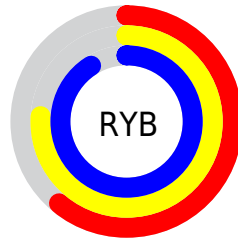
The XYZ color **55.9690, 68.3386, 87.3316** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.0925, 44.8326, 36.9199**, and the grayscale version is **59.0847, 62.1617, 67.6941**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **27.9439, 35.3887, 46.9529** is the 20% darker color. If you saturate the color by 10%, you get **51.5132, 65.4362, 87.0074**, and if you desaturate by 10%, it is **61.2951, 71.6983, 87.7005**.

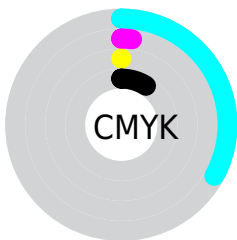
Distribution



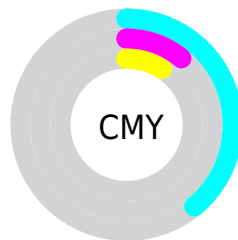
- Red (61%)
- Green (89%)
- Blue (91%)



- Red (61%)
- Yellow (76%)
- Blue (91%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)





- Cyan (39%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9690, 68.3386, 87.3316 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 55.9690, 68.3386, 87.3316 by changing the saturation by 10% instead.


 55.9690, 68.3386,
87.3316


 55.9690, 68.3386,
87.3316


399.6516,
454.6948, 539.6564

 40.4150, 50.1733,
65.2085


 98.0993, 116.8364,
145.5292

 28.0479, 35.5511,
47.1777

 125.4063,
147.9376, 182.4407

 18.5024, 24.0877,
32.8208


157.3617,
184.1196, 225.1188

 11.4131, 15.3987,
21.7192

194.3308,
225.7668, 273.9820

 6.4148, 9.0997,
13.4544

236.6790,
273.2635, 329.4488

 3.1419, 4.8062,
7.6078

284.7716,

 1.2293, 2.1340,

326.9941, 391.9377

3.7609

338.9740,
387.3431, 461.8674

■ 0.1293, 0.6837,
1.4951

■ 0.0000, 0.0000,
0.2143

■ 55.9690, 68.3386,
87.3316

■ 55.9690, 68.3386,
87.3316

■ 51.5132, 65.4362,
87.0074

■ 61.2951, 71.6983,
87.7005

■ 47.8719, 62.9572,
86.7208

■ 67.5314, 75.5308,
88.1116

■ 44.9922, 60.8761,
86.4709

■ 74.7224, 79.8608,
88.5684

■ 42.8125, 59.1610,
86.2547

■ 82.9080, 84.7089,
89.0727

41.2613, 57.7752,
86.0690

85.7908, 86.8286,
89.3299

40.2523, 56.6741,
85.9097

86.2212, 87.6893,
89.4733

39.7985, 56.0640,
85.8158

86.6551, 88.5572,
89.6180

87.0927, 89.4323,
89.7638

87.5339, 90.3146,
89.9109

Harmonies

Analogous

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



55.1823, 68.3386, 71.5369



55.9690, 68.3386, 87.3316



59.1052, 68.3386, 101.2154

Triad

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



55.9690, 68.3386, 87.3316



73.7408, 68.3386, 93.0605



65.9752, 68.3386, 48.6219

Complementary

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



55.9690, 68.3386, 87.3316



52.0925, 44.8326, 36.9199

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.



71.1760, 68.3386, 52.8104



55.9690, 68.3386, 87.3316



75.8156, 68.3386, 77.3572

Square

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



55.9690, 68.3386, 87.3316



69.3218, 68.3386, 104.8301



74.8521, 68.3386, 62.8287



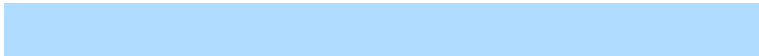
60.7733, 68.3386, 50.5287

Rectangle

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



55.9690, 68.3386, 87.3316



62.2031, 68.3386, 106.7850



74.8521, 68.3386, 62.8287



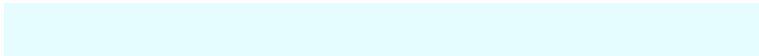
67.7844, 68.3386, 49.3437

Sweetspot

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



55.9710, 68.3413, 87.3332



85.7639, 94.4424, 108.3167



48.9073, 67.7475, 43.2559



18.0985, 20.0582, 23.1677



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.



55.9710, 68.3413, 87.3332



64.8974, 81.4133, 106.9016



46.6622, 49.7236, 84.2302



15.4302, 16.9469, 19.3801



22.6175, 31.8819, 48.7047



1.8010, 2.5535, 3.8328

Inverse Universe

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



59.3309, 46.3695, 79.2250



69.6467, 50.8487, 95.3295



59.6933, 60.0342, 39.4535



15.6707, 15.2961, 18.8173



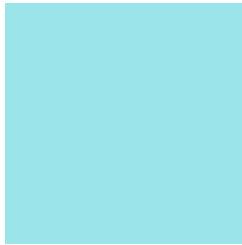
26.2715, 12.7113, 38.8269



2.0756, 1.0032, 3.1153

Previews

White Background



This preview shows how the XYZ color 55.9690, 68.3386, 87.3316 looks on a white background.

Color Contrast Check

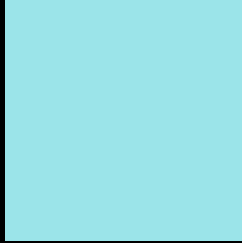
Large Text (above 18pt) WCAG AA × Fail

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 55.9690, 68.3386, 87.3316 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

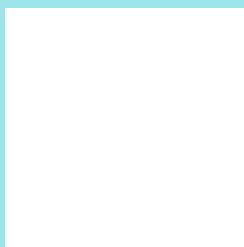
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.9690, 68.3386, 87.3316

Background



This preview shows how black text looks on a background with the XYZ color 55.9690, 68.3386, 87.3316.

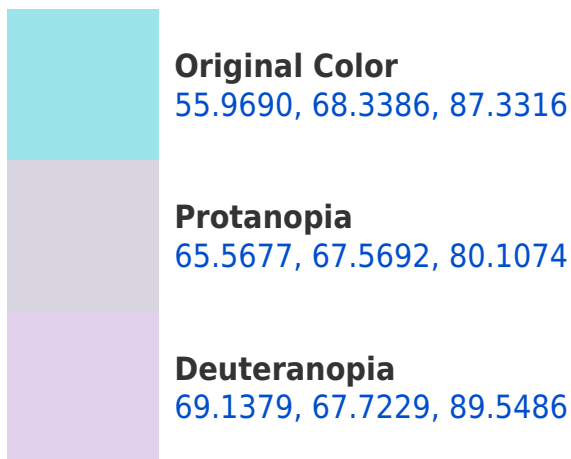


This preview shows how white text looks on a background with the XYZ color 55.9690, 68.3386,

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

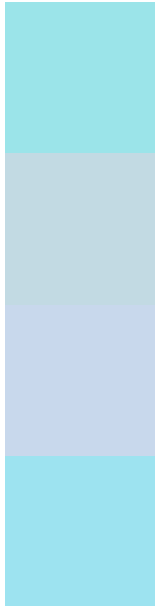




Tritanopia

57.6260, 68.1935, 95.7134

Trichromacy



Original Color

55.9690, 68.3386, 87.3316

Protanomaly

61.1847, 67.1582, 82.4111

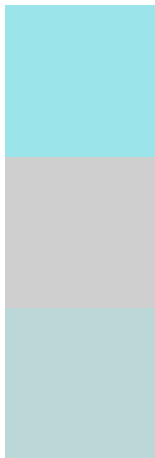
Deuteranomaly

63.5156, 67.4472, 89.0279

Tritanomaly

57.1019, 68.3975, 92.6305

Monochromacy



Original Color

55.9690, 68.3386, 87.3316

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

57.4341, 64.2501, 74.3402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9690, 68.3386, 87.3316 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(155, 228, 233)` looks like.

```
.text, #text, p{  
    color:rgb(155, 228, 233)  
}
```

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(155, 228, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 228, 233) }
```

Border

The CSS property to change the border of an element to XYZ 55.9690, 68.3386, 87.3316 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(155, 228, 233) }
```


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

```
.border{ border-color:rgb(155, 228, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 228, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 228, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 228, 233);  
box-shadow:4px 4px 4px 4px rgb(155, 228,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9690, 68.3386, 87.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 228, 233) }
```

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

```
.background{ background-color: rgb(155,  
228, 233) }
```

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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