

Converting Colors

XYZ(55.5716, 67.8623, 83.8414)

Have a look what the booklet for
XYZ(55.5716, 67.8623, 83.8414)
contains.

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Color

**XYZ(55.5732, 67.8087,
83.5582)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE3E4
RGB	158, 227, 228
RGB Percent	62%, 89%, 89%
CMY	0.3804, 0.1098, 0.1059
CMYK	0.31, 0.00, 0.00, 0.11
HSL	181°, 56%, 76%
HSV	181°, 31%, 89%
XYZ	55.5732, 67.8087, 83.5582
YIQ	206.4830, -41.4450, -14.3170

Conversions

Conversions Part 2

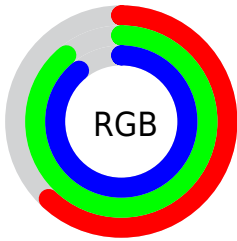
Format	Color
R_{YB}	158, 193, 228
Decimal	10413028
CIE _{Lab}	85.91, -21.17, -7.40
CIE _{LCh}	86, 22.427, 199.265
Yxy	67.8087, 0.2685, 0.3277
Android (android.graphics.Color)	4288603108 (0xFF9EE3E4)
YUV	206.4830, 10.6079, -42.5196
Hunter-Lab	82.3460, -23.6406, -2.5205

Details

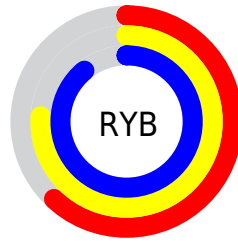
The XYZ color **55.5732, 67.8087, 83.5582** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.5654, 43.7594, 38.1304**, and the grayscale version is **58.9305, 61.9995, 67.5174**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **27.6993, 35.0265, 44.8361** is the 20% darker color. If you saturate the color by 10%, you get **51.4096, 65.5322, 83.3394**, and if you desaturate by 10%, it is **60.5729, 70.5199, 83.8191**.

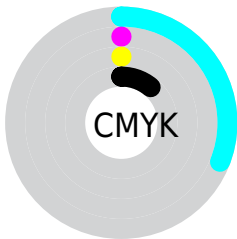
Distribution



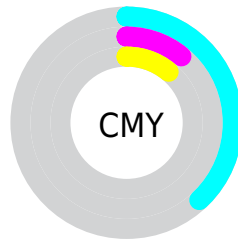
- Red (62%)
- Green (89%)
- Blue (89%)



- Red (62%)
- Yellow (76%)
- Blue (89%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (38%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5732, 67.8087, 83.5582 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 55.5732, 67.8087, 83.5582 by changing the saturation by 10% instead.

■ 55.5732, 67.8087,
83.5582

■ 55.5732, 67.8087,
83.5582

398.1822,
452.8179, 526.8646

■ 40.0965, 49.7421,
62.1075

■ 97.5237, 116.0784,
140.2132

■ 27.7983, 35.2085,
44.6832

■ 124.7282,
147.0504, 176.2546

■ 18.3134, 23.8236,
30.8668

156.5727,
183.0929, 217.9965

■ 11.2763, 15.2028,
20.2398

193.4225,
224.5904, 265.8577

■ 6.3216, 8.9618,
12.3837

235.6430,
271.9272, 320.2565

■ 3.0841, 4.7163,
6.8799

283.5996,

■ 1.1984, 2.0818,

325.4878, 381.6116

3.3098

337.6575,
385.6566, 450.3414

■ 0.1051, 0.6544,
1.2549

■ 0.0000, 0.0000,
0.0244

■ 55.5732, 67.8087,
83.5582

■ 55.5732, 67.8087,
83.5582

■ 51.4096, 65.5322,
83.3394

■ 60.5729, 70.5199,
83.8191

■ 48.0301, 63.6585,
83.1558

■ 66.4454, 73.6795,
84.1195

■ 45.3861, 62.1641,
83.0067

■ 73.2321, 77.3108,
84.4627

■ 43.4212, 61.0201,
82.8895

■ 80.9704, 81.4328,
84.8505

■ 42.0706, 60.1931,
82.8010

■ 83.1605, 82.6948,
84.9786

■ 41.2575, 59.6433,
82.7378

■ 83.2503, 82.8744,
85.0086

■ 40.8623, 59.3184,
82.6959

■ 83.3402, 83.0543,
85.0386

■ 83.4303, 83.2346,
85.0686

■ 83.5206, 83.4151,
85.0987

Harmonies

Analogous

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



55.2297, 67.8087, 68.6902



55.5732, 67.8087, 83.5582



58.2205, 67.8087, 97.3931

Triad

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



55.5732, 67.8087, 83.5582



72.2233, 67.8087, 93.8606



66.3065, 67.8087, 49.3931

Complementary

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



55.5732, 67.8087, 83.5582



50.5654, 43.7594, 38.1304

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.



71.1090, 67.8087, 54.4149



55.5732, 67.8087, 83.5582



74.6436, 67.8087, 79.2246

Square

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



55.5732, 67.8087, 83.5582



67.7623, 67.8087, 103.8656



74.2253, 67.8087, 64.8917



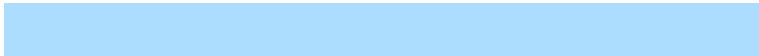
61.2477, 67.8087, 50.2302

Rectangle

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



55.5732, 67.8087, 83.5582



61.0179, 67.8087, 103.5543



74.2253, 67.8087, 64.8917



68.0088, 67.8087, 50.4224

Sweetspot

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



55.5752, 67.8114, 83.5598



87.0007, 95.6957, 108.4934



48.0168, 65.2258, 42.4082



18.3630, 20.3441, 23.2089



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.



55.5752, 67.8114, 83.5598



68.0101, 85.4260, 107.5121



47.1754, 51.0119, 80.7598



14.7889, 16.2993, 18.5109



23.6030, 34.2681, 47.7536



1.7499, 2.5437, 3.5307

Inverse Universe

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



58.0885, 46.4953, 78.5890



71.7581, 53.7613, 100.0720



57.2377, 57.1039, 40.3545



14.9858, 14.6115, 18.1256



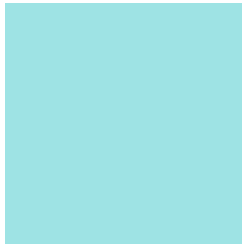
26.3072, 12.6571, 42.1083



1.9469, 0.9365, 3.1268

Previews

White Background



This preview shows how the XYZ color 55.5732, 67.8087, 83.5582 looks on a white background.

Color Contrast Check

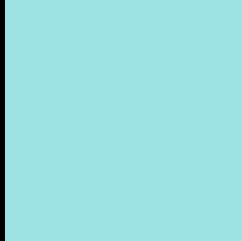
Large Text (above 18pt) WCAG AA × Fail

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 55.5732, 67.8087, 83.5582 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 55.5732, 67.8087, 83.5582

Background



This preview shows how black text looks on a background with the XYZ color 55.5732, 67.8087, 83.5582.

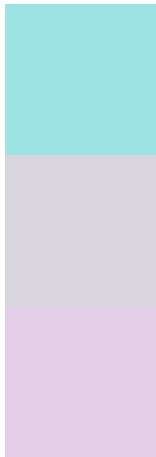


This preview shows how white text looks on a background with the XYZ color 55.5732, 67.8087,

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

55.5732, 67.8087, 83.5582

Protanopia

65.0314, 67.3547, 77.2834

Deuteranopia

68.7999, 67.2688, 85.7020



Tritanopia

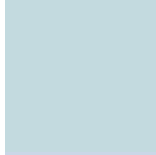
57.8008, 67.8986, 94.8533

Trichromacy



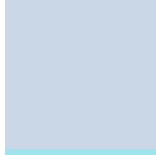
Original Color

55.5732, 67.8087, 83.5582



Protanomaly

60.8964, 67.0726, 79.5488



Deuteranomaly

63.0814, 66.9270, 85.1948



Tritanomaly

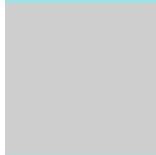
57.1262, 68.0393, 91.0110

Monochromacy



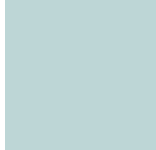
Original Color

55.5732, 67.8087, 83.5582



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

57.1704, 63.7670, 72.9134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5732, 67.8087, 83.5582 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(158, 227, 228)` looks like.

```
.text, #text, p{  
    color:rgb(158, 227, 228)  
}
```

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(158, 227, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 227, 228) }
```

Border

The CSS property to change the border of an element to XYZ 55.5732, 67.8087, 83.5582 is called "border". The border property can be set on classes, ids or directly on the HTML element.

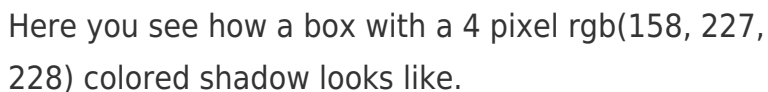
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 227, 228) }
```


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

```
.border{ border-color:rgb(158, 227, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 227, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 227, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 227, 228); box-shadow:4px 4px 4px 4px rgb(158, 227, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5732, 67.8087, 83.5582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 227, 228) }
```

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

```
.background{ background-color: rgb(158,  
227, 228) }
```

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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