

Converting Colors

XYZ(55.4700, 68.2148, 85.6506)

Have a look what the booklet for
XYZ(55.4700, 68.2148, 85.6506)
contains.

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Color

**XYZ(55.4936, 68.1264,
85.8262)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE4E7
RGB	154, 228, 231
RGB Percent	60%, 89%, 91%
CMY	0.3961, 0.1059, 0.0941
CMYK	0.33, 0.01, 0.00, 0.09
HSL	182°, 62%, 75%
HSV	182°, 33%, 91%
XYZ	55.4936, 68.1264, 85.8262
YIQ	206.2160, -45.0670, -14.7550

Conversions

Conversions Part 2

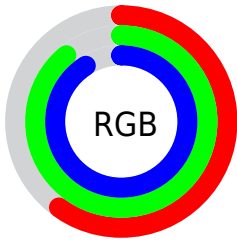
Format	Color
RYB	154, 192, 231
Decimal	10151143
CIELab	86.07, -22.06, -8.77
CIELCh	86, 23.735, 201.678
Yxy	68.1264, 0.2650, 0.3253
Android (android.graphics.Color)	4288341223 (0xFF9AE4E7)
YUV	206.2160, 12.2185, -45.7934
Hunter-Lab	82.5387, -24.4311, -3.8744

Details

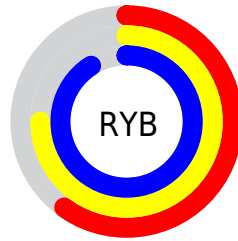
The XYZ color **55.4936, 68.1264, 85.8262** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.8455, 43.4364, 36.2774**, and the grayscale version is **58.7510, 61.8107, 67.3118**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **27.6360, 35.2528, 45.9053** is the 20% darker color. If you saturate the color by 10%, you get **51.2669, 65.5828, 85.5592**, and if you desaturate by 10%, it is **60.5716, 71.1141, 86.1364**.

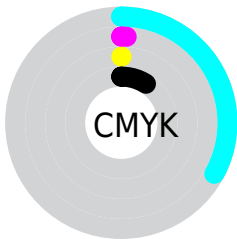
Distribution



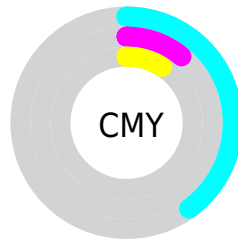
- Red (60%)
- Green (89%)
- Blue (91%)



- Red (60%)
- Yellow (75%)
- Blue (91%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)





- Cyan (40%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4936, 68.1264, 85.8262 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 55.4936, 68.1264, 85.8262 by changing the saturation by 10% instead.


 55.4936, 68.1264,
85.8262


 55.4936, 68.1264,
85.8262


397.8863,
453.9437, 534.5737

 40.0325, 50.0006,
63.9702


 97.4079, 116.5329,
143.4113

 27.7482, 35.4139,
46.1805


 124.5918,
147.5825, 179.9775

 18.2754, 23.9818,
32.0386


156.4139,
183.7087, 222.2842

 11.2488, 15.3202,
21.1259

193.2397,
225.2959, 270.7499

 6.3029, 9.0444,
13.0239

235.4345,
272.7287, 325.7932

 3.0726, 4.7701,
7.3141

283.3636,

 1.1922, 2.1130,

326.3913, 387.8325

3.5779

337.3924,
386.6682, 457.2865

■ 0.1002, 0.6719,
1.3968

■ 0.0000, 0.0000,
0.1392

■ 55.4936, 68.1264,
85.8262

■ 55.4936, 68.1264,
85.8262

■ 51.2669, 65.5828,
85.5592

■ 60.5716, 71.1141,
86.1364

■ 47.8368, 63.4502,
85.3283

■ 66.5397, 74.5609,
86.4871

■ 45.1516, 61.7034,
85.1327

■ 73.4416, 78.4909,
86.8819

■ 43.1511, 60.3116,
84.9695

■ 81.3163, 82.9244,
87.3227

■ 41.7657, 59.2387,
84.8354

■ 84.6617, 85.0249,
87.5518

■ 40.9110, 58.4413,
84.7265

■ 84.9162, 85.5339,
87.6366

■ 40.5478, 58.0172,
84.6638

■ 85.1720, 86.0455,
87.7219

■ 85.4291, 86.5597,
87.8076

■ 85.6874, 87.0765,
87.8937

Harmonies

Analogous

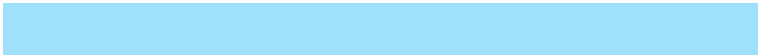
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9264, 68.1264, 69.9184



55.4936, 68.1264, 85.8262



58.4688, 68.1264, 100.3040

Triad

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



55.4936, 68.1264, 85.8262



73.3268, 68.1264, 94.3884



66.2808, 68.1264, 48.2677

Complementary

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



55.4936, 68.1264, 85.8262



50.8455, 43.4364, 36.2774

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.



71.4702, 68.1264, 53.0351



55.4936, 68.1264, 85.8262



75.6849, 68.1264, 78.6074

Square

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



55.4936, 68.1264, 85.8262



68.7009, 68.1264, 105.7102



74.9870, 68.1264, 63.6346



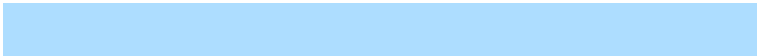
60.9576, 68.1264, 49.6371

Rectangle

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



55.4936, 68.1264, 85.8262



61.5133, 68.1264, 106.4733



74.9870, 68.1264, 63.6346



68.1027, 68.1264, 49.1786

Sweetspot

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



55.4956, 68.1291, 85.8278



85.9670, 94.8487, 108.3844



47.9525, 66.4427, 42.0033



18.1480, 20.1573, 23.1842



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.



55.4956, 68.1291, 85.8278



65.6933, 83.0051, 107.1669



46.1506, 49.4390, 82.7128



14.7568, 16.2351, 18.5002



22.7535, 32.5692, 47.4704



1.6965, 2.4369, 3.5129

Inverse Universe

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



58.5158, 45.7031, 79.1394



70.0485, 51.0094, 97.4450



58.3190, 58.3835, 38.7686



14.9696, 14.6050, 18.0403



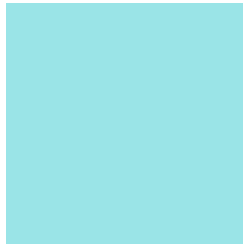
25.8784, 12.4856, 39.8504



1.9199, 0.9257, 2.9848

Previews

White Background



This preview shows how the XYZ color 55.4936, 68.1264, 85.8262 looks on a white background.

Color Contrast Check

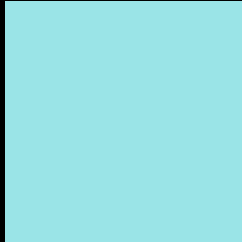
Large Text (above 18pt) WCAG AA × Fail

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 55.4936, 68.1264, 85.8262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

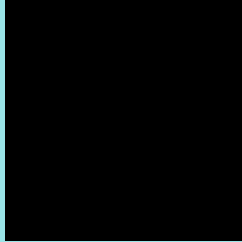
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4936, 68.1264, 85.8262

Background



This preview shows how black text looks on a background with the XYZ color 55.4936, 68.1264, 85.8262.



This preview shows how white text looks on a background with the XYZ color 55.4936, 68.1264,

85.8262.

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

55.4936, 68.1264, 85.8262

Protanopia

65.2980, 67.4614, 78.6870

Deuteranopia

68.9153, 67.2787, 87.9511



Tritanopia

57.4301, 68.0925, 95.7042

Trichromacy



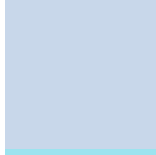
Original Color

55.4936, 68.1264, 85.8262



Protanomaly

60.6543, 66.9165, 80.9535



Deuteranomaly

62.9711, 66.8208, 87.4207



Tritanomaly

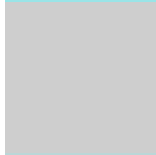
56.7594, 68.2381, 91.8411

Monochromacy



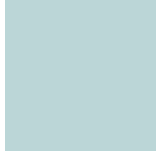
Original Color

55.4936, 68.1264, 85.8262



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

56.8058, 63.5642, 73.5651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4936, 68.1264, 85.8262 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(154, 228, 231)` looks like.

```
.text, #text, p{  
    color:rgb(154, 228, 231)  
}
```

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(154, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 228, 231) }
```

Border

The CSS property to change the border of an element to XYZ 55.4936, 68.1264, 85.8262 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(154, 228, 231) }
```


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

```
.border{ border-color:rgb(154, 228, 231) }
```

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

Here you see how a box with a 4 pixel rgb(154, 228, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(154, 228,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4936, 68.1264, 85.8262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 228, 231) }
```

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

```
.background{ background-color: rgb(154,  
228, 231) }
```

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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