

Converting Colors

XYZ(55.6601, 67.9871, 77.8095)

Have a look what the booklet for
XYZ(55.6601, 67.9871, 77.8095)
contains.

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Color

**XYZ(55.6972, 67.9980,
77.8995)**

Conversions

Conversions Part 1

Format	Color
Hex	A4E3DC
RGB	164, 227, 220
RGB Percent	64%, 89%, 86%
CMY	0.3569, 0.1098, 0.1372
CMYK	0.28, 0.00, 0.03, 0.11
HSL	173°, 53%, 77%
HSV	173°, 28%, 89%
XYZ	55.6972, 67.9980, 77.8995
YIQ	207.3650, -35.3010, -15.5330

Conversions

Conversions Part 2

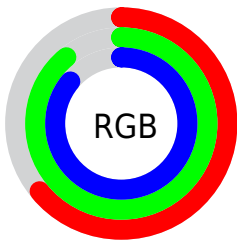
Format	Color
RYB	164, 197, 227
Decimal	10806236
CIELab	86.01, -21.27, -3.01
CIELCh	86, 21.480, 188.044
Yxy	67.9980, 0.2763, 0.3373
Android (android.graphics.Color)	4288996316 (0xFFA4E3DC)
YUV	207.3650, 6.2291, -38.0311
Hunter-Lab	82.4609, -23.7409, 1.7123

Details

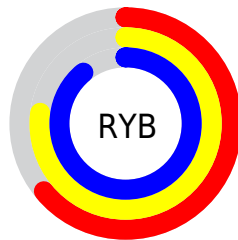
The XYZ color **55.6972, 67.9980, 77.8995** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.3071, 45.8240, 44.6189**, and the grayscale version is **59.5225, 62.6223, 68.1957**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **27.7848, 35.1574, 40.9190** is the 20% darker color. If you saturate the color by 10%, you get **51.0930, 65.6645, 75.9540**, and if you desaturate by 10%, it is **61.1465, 70.7701, 79.9138**.

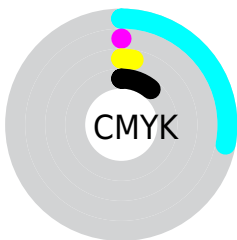
Distribution



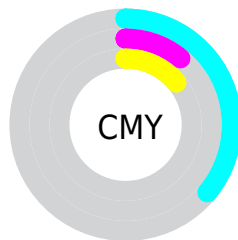
- Red (64%)
- Green (89%)
- Blue (86%)



- Red (64%)
- Yellow (77%)
- Blue (89%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (36%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6972, 67.9980, 77.8995 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 55.6972, 67.9980, 77.8995 by changing the saturation by 10% instead.

■ 55.6972, 67.9980,
77.8995

■ 55.6972, 67.9980,
77.8995

398.6429,
453.4889, 507.3443

■ 40.1962, 49.8961,
57.4755

■ 97.7041, 116.3493,
132.1930

■ 27.8765, 35.3309,
40.9752

■ 124.9407,
147.3675, 166.8996

■ 18.3725, 23.9178,
27.9801

156.8200,
183.4599, 207.2041

■ 11.3191, 15.2727,
18.0718

193.7072,
225.0109, 253.5250

■ 6.3508, 9.0110,
10.8316

235.9678,
272.4049, 306.2810

■ 3.1022, 4.7484,
5.8409

283.9670,

■ 1.2080, 2.1004,

326.0263, 365.8905

2.6814

338.0703,
386.2595, 432.7721

■ 0.1127, 0.6648,
0.9340

■ 0.0000, 0.0000,
0.0000

■ 55.6972, 67.9980,
77.8995

■ 55.6972, 67.9980,
77.8995

■ 51.0930, 65.6645,
75.9540

■ 61.1465, 70.7701,
79.9138

■ 47.2835, 63.7384,
74.0704

■ 67.4763, 73.9937,
81.9943

■ 44.2220, 62.1973,
72.2480

■ 74.7269, 77.6914,
84.1445

■ 41.8547, 61.0135,
70.4840

■ 82.9346, 81.8820,
86.3661

■ 40.1202, 60.1553,
68.7755

■ 83.3637, 82.0619,
88.2505

■ 38.9466, 59.5858,
67.1190

■ 83.7260, 82.2069,
90.1587

■ 38.2350, 59.2538,
65.5098

■ 84.0936, 82.3539,
92.0941

■ 38.1040, 59.1941,
65.1532

■ 84.4663, 82.5030,
94.0568

■ 84.8442, 82.6541,
96.0470

Harmonies

Analogous

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



56.2367, 67.9980, 64.3511



55.6972, 67.9980, 77.8995



57.4535, 67.9980, 92.0463

Triad

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



55.6972, 67.9980, 77.8995



70.6451, 67.9980, 97.5239



68.2369, 67.9980, 51.6201

Complementary

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



55.6972, 67.9980, 77.8995



52.3071, 45.8240, 44.6189

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.



72.3807, 67.9980, 58.5469



55.6972, 67.9980, 77.8995



73.8195, 67.9980, 84.6518

Square

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



55.6972, 67.9980, 77.8995



65.9646, 67.9980, 104.2792



74.4703, 67.9980, 70.3068



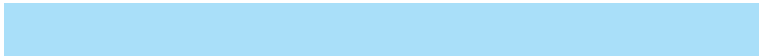
63.3136, 67.9980, 50.2943

Rectangle

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



55.6972, 67.9980, 77.8995



59.7451, 67.9980, 99.5230



74.4703, 67.9980, 70.3068



69.7743, 67.9980, 53.3240

Sweetspot

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



55.6992, 68.0008, 77.9010



87.5760, 96.1890, 106.6558



51.0429, 66.3186, 45.2338



18.4628, 20.4446, 22.7398



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.



55.6992, 68.0008, 77.9010



69.1023, 86.7932, 100.0153



50.4975, 56.0819, 80.8396



14.7348, 16.3074, 18.1342



22.2485, 34.5315, 38.1387



1.6639, 2.5597, 2.9226

Inverse Universe

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



52.3071, 45.8240, 44.6189



64.0336, 53.6328, 50.2660



56.3970, 55.0440, 42.7754



14.4418, 14.3939, 15.2609



18.5999, 9.5742, 1.5221



1.3963, 0.7162, 0.2274

Previews

White Background



This preview shows how the XYZ color 55.6972, 67.9980, 77.8995 looks on a white background.

Color Contrast Check

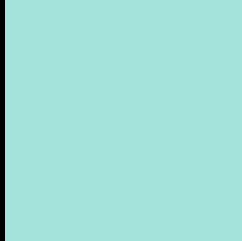
Large Text (above 18pt) WCAG AA × Fail

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 55.6972, 67.9980, 77.8995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

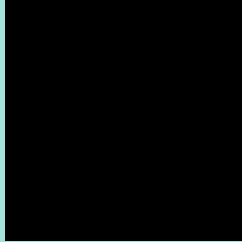
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

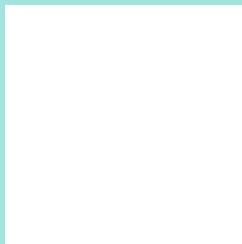
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6972, 67.9980, 77.8995

Background



This preview shows how black text looks on a background with the XYZ color 55.6972, 67.9980, 77.8995.

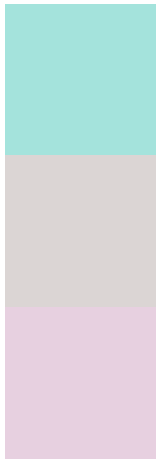


This preview shows how white text looks on a background with the XYZ color 55.6972, 67.9980,

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

55.6972, 67.9980, 77.8995

Protanopia

64.8913, 67.4020, 71.8771

Deuteranopia

68.9654, 67.4825, 79.9116



Tritanopia

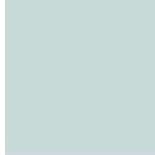
59.0449, 68.1571, 94.0480

Trichromacy



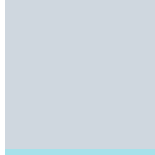
Original Color

55.6972, 67.9980, 77.8995



Protanomaly

60.8903, 67.1912, 74.0499



Deuteranomaly

63.3518, 67.1940, 79.4428



Tritanomaly

57.7128, 68.0064, 87.9267

Monochromacy



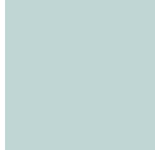
Original Color

55.6972, 67.9980, 77.8995



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

57.4161, 63.9230, 71.5996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6972, 67.9980, 77.8995 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(164, 227, 220)` looks like.

```
.text, #text, p{  
    color:rgb(164, 227, 220)  
}
```

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(164, 227, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 227, 220) }
```

Border

The CSS property to change the border of an element to XYZ 55.6972, 67.9980, 77.8995 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(164, 227, 220) }
```


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

```
.border{ border-color:rgb(164, 227, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 227, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 227, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 227, 220);  
box-shadow:4px 4px 4px 4px rgb(164, 227,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6972, 67.9980, 77.8995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 227, 220) }
```

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

```
.background{ background-color: rgb(164,  
227, 220) }
```

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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