

Converting Colors

XYZ(55.7378, 71.1251, 78.5789)

Have a look what the booklet for
XYZ(55.7378, 71.1251, 78.5789)
contains.

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Color

**XYZ(55.6675, 70.8830,
78.4579)**

Conversions

Conversions Part 1

Format	Color
Hex	9AEADC
RGB	154, 234, 220
RGB Percent	60%, 92%, 86%
CMY	0.3961, 0.0823, 0.1372
CMYK	0.34, 0.00, 0.06, 0.08
HSL	169°, 66%, 76%
HSV	169°, 34%, 92%
XYZ	55.6675, 70.8830, 78.4579
YIQ	208.4840, -43.1860, -21.3140

Conversions

Conversions Part 2

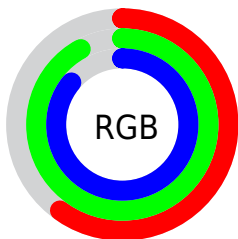
Format	Color
RYB	154, 198, 234
Decimal	10152668
CIELab	87.43, -27.48, -0.98
CIELCh	87, 27.493, 182.041
Yxy	70.8830, 0.2715, 0.3458
Android (android.graphics.Color)	4288342748 (0xFF9AEADC)
YUV	208.4840, 5.6774, -47.7825
Hunter-Lab	84.1920, -29.3125, 3.6825

Details

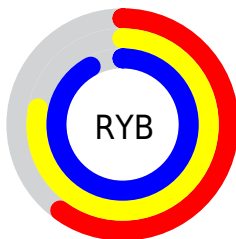
The XYZ color **55.6675, 70.8830, 78.4579** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.5576, 43.4327, 42.6618**, and the grayscale version is **60.2544, 63.3923, 69.0342**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **27.8575, 37.2101, 41.3113** is the 20% darker color. If you saturate the color by 10%, you get **51.1052, 68.5948, 75.4485**, and if you desaturate by 10%, it is **61.1153, 73.6298, 81.5812**.

Distribution



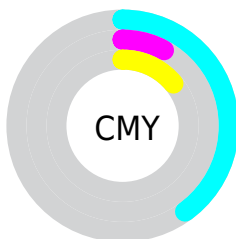
- Red (60%)
- Green (92%)
- Blue (86%)



- Red (60%)
- Yellow (78%)
- Blue (92%)



- Cyan (34%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)





- Cyan (40%)
- Magenta (8%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6675, 70.8830, 78.4579 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 55.6675, 70.8830, 78.4579 by changing the saturation by 10% instead.

 55.6675, 70.8830,
78.4579


 55.6675, 70.8830,
78.4579


398.5326,
463.6443, 509.2896

 40.1724, 52.2467,
57.9315


 97.6609, 120.4671,
132.9872

 27.8578, 37.2018,
41.3393

 124.8899,
152.1837, 167.8271

 18.3584, 25.3638,
28.2626


156.7608,
189.0293, 208.2754

 11.3088, 16.3483,
18.2829

193.6391,
231.3881, 254.7504

 6.3438, 9.7709,
10.9818

235.8900,
279.6446, 307.6708

 3.0979, 5.2473,
5.9406


283.8790,

 1.2057, 2.3931,

334.1833, 367.4551

2.7408


337.9714,
395.3884, 434.5219


 0.1109, 0.8223,
0.9638


 0.0000, 0.0000,
0.0000


 55.6675, 70.8830,
78.4579


 55.6675, 70.8830,
78.4579


 51.1052, 68.5948,
75.4485


 61.1153, 73.6298,
81.5812


 47.3715, 66.7304,
72.5453

 67.4892, 76.8507,
84.8161

 44.4125, 65.2638,
69.7467

 74.8345, 80.5707,
88.1669

 42.1652, 64.1627,
67.0494

 83.1918, 84.8109,
91.6359

■ 40.5566, 63.3893,
64.4493

■ 86.4638, 86.4280,
94.9381

■ 39.4977, 62.8978,
61.9419

■ 87.0809, 86.6749,
98.1879

■ 39.0549, 62.7005,
60.5232

■ 87.7119, 86.9273,
101.5105

■ 88.3568, 87.1852,
104.9065

■ 88.7141, 87.3282,
106.7880

Harmonies

Analogous

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



56.9513, 70.8830, 61.6238



55.6675, 70.8830, 78.4579



57.3491, 70.8830, 97.7092

Triad

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



55.6675, 70.8830, 78.4579



74.2036, 70.8830, 111.5660



73.3866, 70.8830, 49.7476

Complementary

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



55.6675, 70.8830, 78.4579



52.5576, 43.4327, 42.6618

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.



78.4999, 70.8830, 59.7479



55.6675, 70.8830, 78.4579



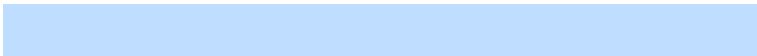
78.9925, 70.8830, 95.1548

Square

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



55.6675, 70.8830, 78.4579



67.8171, 70.8830, 118.6333



80.6123, 70.8830, 75.9151



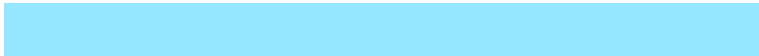
66.9292, 70.8830, 46.7191

Rectangle

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



55.6675, 70.8830, 78.4579



59.9924, 70.8830, 108.8852



80.6123, 70.8830, 75.9151



75.3336, 70.8830, 52.3166

Sweetspot

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



55.6695, 70.8859, 78.4595



85.5725, 95.1962, 104.7489



51.5485, 69.5799, 41.2865



18.0520, 20.2422, 22.2982



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.



55.6695, 70.8859, 78.4595



63.6630, 84.1437, 92.7775



50.8986, 58.2505, 86.4061



15.3979, 17.0740, 18.7783



21.9877, 35.2495, 34.2299



1.7563, 2.7798, 2.8444

Inverse Universe

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



52.5576, 43.4327, 42.6618



59.3562, 46.0718, 43.1773



55.9538, 52.2017, 37.7000



15.1731, 15.0971, 16.1967



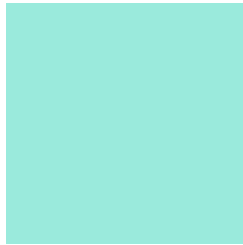
19.3243, 9.9324, 2.2431



1.5486, 0.7924, 0.3405

Previews

White Background



This preview shows how the XYZ color 55.6675, 70.8830, 78.4579 looks on a white background.

Color Contrast Check

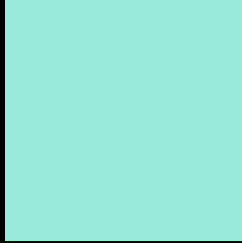
Large Text (above 18pt) WCAG AA × Fail

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 55.6675, 70.8830, 78.4579 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

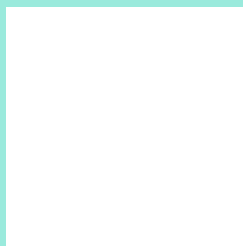
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6675, 70.8830, 78.4579

Background



This preview shows how black text looks on a background with the XYZ color 55.6675, 70.8830, 78.4579.

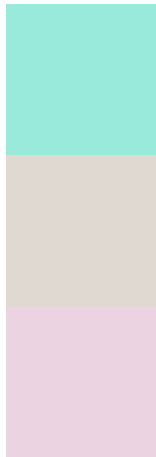


This preview shows how white text looks on a background with the XYZ color 55.6675, 70.8830,

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

55.6675, 70.8830, 78.4579

Protanopia

67.1862, 70.1261, 70.9674

Deuteranopia

71.4769, 69.8576, 80.9508



Tritanopia

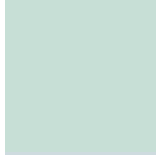
59.9380, 70.9480, 99.3422

Trichromacy



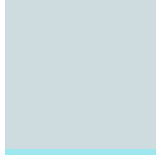
Original Color

55.6675, 70.8830, 78.4579



Protanomaly

62.0785, 69.7725, 73.8139



Deuteranomaly

64.1044, 69.1126, 79.7734



Tritanomaly

58.1091, 70.5940, 91.4522

Monochromacy



Original Color

55.6675, 70.8830, 78.4579



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

57.4356, 65.0705, 71.8200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6675, 70.8830, 78.4579 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, 234, 220)` looks like.

```
.text, #text, p{  
    color:rgb(154, 234, 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(154, 234, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 234, 220) }
```

Border

The CSS property to change the border of an element to XYZ 55.6675, 70.8830, 78.4579 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, 234, 220) }
```


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

```
.border{ border-color:rgb(154, 234, 220) }
```

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

Here you see how a box with a 4 pixel rgb(154, 234, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 234, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 234, 220);  
box-shadow:4px 4px 4px 4px rgb(154, 234,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6675, 70.8830, 78.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 234, 220) }
```

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

```
.background{ background-color: rgb(154,  
234, 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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