

Converting Colors

XYZ(49.8329, 54.9197, 69.5482)

Have a look what the booklet for
XYZ(49.8329, 54.9197, 69.5482)
contains.

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Color

**XYZ(49.8677, 55.0104,
69.6178)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC8D3
RGB	174, 200, 211
RGB Percent	68%, 78%, 83%
CMY	0.3176, 0.2157, 0.1725
CMYK	0.18, 0.05, 0.00, 0.17
HSL	198°, 30%, 75%
HSV	198°, 18%, 83%
XYZ	49.8677, 55.0104, 69.6178
YIQ	193.4800, -19.0270, -2.0910

Conversions

Conversions Part 2

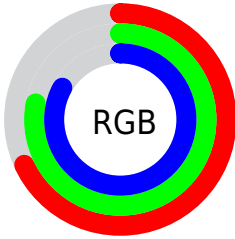
Format	Color
RYB	174, 189, 211
Decimal	11454675
CIELab	79.05, -6.42, -8.42
CIELCh	79, 10.589, 232.710
Yxy	55.0104, 0.2858, 0.3153
Android (android.graphics.Color)	4289644755 (0xFFAEC8D3)
YUV	193.4800, 8.6374, -17.0840
Hunter-Lab	74.1690, -9.7808, -3.7335

Details

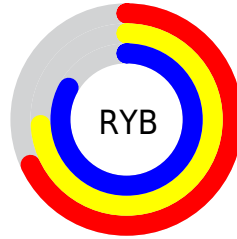
The XYZ color **49.8677, 55.0104, 69.6178** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.8533, 51.6027, 47.2728**, and the grayscale version is **50.9311, 53.5835, 58.3524**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **24.2498, 27.0570, 35.8427** is the 20% darker color. If you saturate the color by 10%, you get **44.1088, 49.9307, 68.9417**, and if you desaturate by 10%, it is **56.4279, 60.5944, 70.3508**.

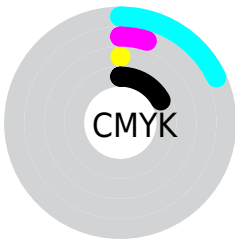
Distribution



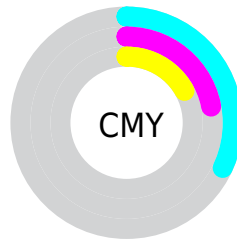
- Red (68%)
- Green (78%)
- Blue (83%)



- Red (68%)
- Yellow (74%)
- Blue (83%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (32%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8677, 55.0104, 69.6178 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 49.8677, 55.0104, 69.6178 by changing the saturation by 10% instead.

■ 49.8677, 55.0104,
69.6178

■ 49.8677, 55.0104,
69.6178

376.6089,
405.9514, 477.9597

■ 35.5257, 39.4100,
50.7401

■ 89.1718, 97.5562,
120.3395

■ 24.2365, 27.0789,
35.6265

114.8646,
125.2704, 153.0207

■ 15.6348, 17.6325,
23.8585

145.0717,
157.7914, 191.1401

■ 9.3553, 10.6864,
15.0175

180.1584,
195.5035, 235.1163

■ 5.0326, 5.8564,
8.6849

220.4901,
238.7912, 285.3678

■ 2.3014, 2.7580,
4.4422

266.4322,

■ 0.7954, 1.0067,

288.0388, 342.3132

1.8709

318.3500,
343.6307, 406.3710

■ 0.0000, 0.0000,
0.4742

■ 0.0000, 0.0000,
0.0000

■ 49.8677, 55.0104,
69.6178

■ 49.8677, 55.0104,
69.6178

■ 44.1088, 49.9307,
68.9417

■ 56.4279, 60.5944,
70.3508

■ 39.1112, 45.3295,
68.3170

■ 63.8173, 66.6940,
71.1386

■ 34.8386, 41.1884,
67.7429

■ 72.0684, 73.3283,
71.9843

■ 31.2499, 37.4852,
67.2172

■ 79.9476, 79.8624,
72.8302

■ 28.2994, 34.1950,
66.7377

■ 81.6753, 83.3177,
73.4061

■ 25.9355, 31.2903,
66.3016

■ 83.4658, 86.8988,
74.0029

■ 24.0977, 28.7387,
65.9060

■ 85.3200, 90.6071,
74.6210

■ 22.7028, 26.4961,
65.5466

■ 87.2383, 94.4438,
75.2605

■ 22.3930, 25.9731,
65.4620

■ 88.7580, 97.4832,
75.7670

Harmonies

Analogous

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



48.6342, 55.0104, 64.4926



49.8677, 55.0104, 69.6178



51.7730, 55.0104, 72.1685

Triad

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



49.8677, 55.0104, 69.6178



56.4113, 55.0104, 61.3824



50.7360, 55.0104, 49.8117

Complementary

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



49.8677, 55.0104, 69.6178



51.8533, 51.6027, 47.2728

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.



52.8019, 55.0104, 49.1019



49.8677, 55.0104, 69.6178



56.1156, 55.0104, 55.5251

Square

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



49.8677, 55.0104, 69.6178



55.5781, 55.0104, 67.2106



54.7807, 55.0104, 51.1260



49.1260, 55.0104, 53.1341

Rectangle

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



49.8677, 55.0104, 69.6178



53.1829, 55.0104, 71.9527



54.7807, 55.0104, 51.1260



51.3987, 55.0104, 49.2692

Sweetspot

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



49.8693, 55.0127, 69.6190



89.3168, 95.2674, 108.2887



49.4533, 59.0692, 54.4095



18.9507, 20.2523, 23.1602



0.0000, 0.0000, 0.0000



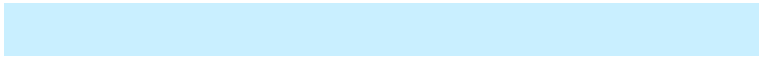
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.8693, 55.0127, 69.6190



73.1496, 81.4820, 106.4799



45.9458, 47.1656, 68.3112



11.8493, 12.7889, 15.0876



13.6070, 15.8606, 39.5367



0.8282, 1.0215, 2.2331

Inverse Universe

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



52.4266, 48.2923, 61.2044



77.8241, 69.4804, 91.0355



55.8569, 59.6099, 48.6073



12.1548, 11.9467, 14.0912



19.4989, 9.6724, 18.0653



1.1242, 0.5544, 1.1891

Previews

White Background



This preview shows how the XYZ color 49.8677, 55.0104, 69.6178 looks on a white background.

Color Contrast Check

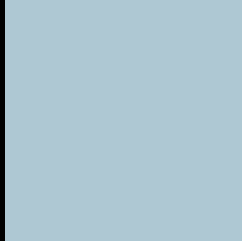
Large Text (above 18pt) WCAG AA × Fail

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 49.8677, 55.0104, 69.6178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

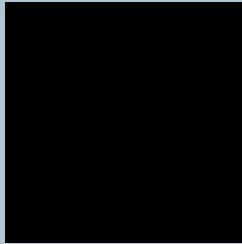
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

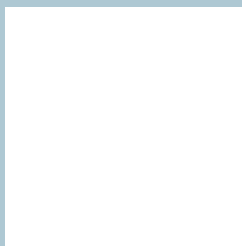
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8677, 55.0104, 69.6178

Background



This preview shows how black text looks on a background with the XYZ color 49.8677, 55.0104, 69.6178.

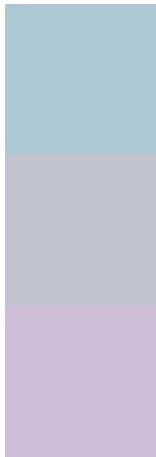


This preview shows how white text looks on a background with the XYZ color 49.8677, 55.0104,

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

49.8677, 55.0104, 69.6178

Protanopia

53.0599, 54.6907, 66.7913

Deuteranopia

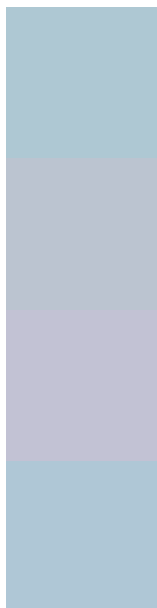
55.8773, 54.7528, 70.5741



Tritanopia

50.3684, 54.8671, 72.2257

Trichromacy



Original Color

49.8677, 55.0104, 69.6178

Protanomaly

51.6186, 54.5987, 67.4925

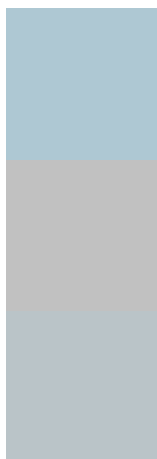
Deuteranomaly

53.4236, 54.8064, 70.0503

Tritanomaly

50.2402, 54.8158, 71.5509

Monochromacy



Original Color

49.8677, 55.0104, 69.6178

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.4150, 54.0891, 62.4267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8677, 55.0104, 69.6178 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(174, 200, 211)` looks like.

```
.text, #text, p{  
    color:rgb(174, 200, 211)  
}
```

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(174, 200, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 200, 211) }
```

Border

The CSS property to change the border of an element to XYZ 49.8677, 55.0104, 69.6178 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(174, 200, 211) }
```


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

```
.border{ border-color:rgb(174, 200, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 200, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 200, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 200, 211);  
box-shadow:4px 4px 4px 4px rgb(174, 200,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8677, 55.0104, 69.6178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 200, 211) }
```

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

```
.background{ background-color: rgb(174,  
200, 211) }
```

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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