

Converting Colors

XYZ(58.4451, 69.8166, 78.5701)

Have a look what the booklet for
XYZ(58.4451, 69.8166, 78.5701)
contains.

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Color

**XYZ(58.4737, 69.8212,
78.8016)**

Conversions

Conversions Part 1

Format	Color
Hex	AFE4DD
RGB	175, 228, 221
RGB Percent	69%, 89%, 87%
CMY	0.3137, 0.1059, 0.1333
CMYK	0.23, 0.00, 0.03, 0.11
HSL	172°, 50%, 79%
HSV	172°, 23%, 89%
XYZ	58.4737, 69.8212, 78.8016
YIQ	211.3550, -29.3410, -13.4130

Conversions

Conversions Part 2

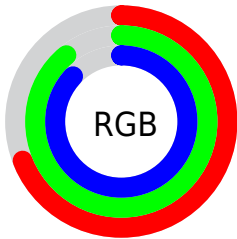
Format	Color
RYB	175, 203, 228
Decimal	11527389
CIELab	86.91, -18.32, -2.14
CIELCh	87, 18.448, 186.647
Yxy	69.8212, 0.2824, 0.3371
Android (android.graphics.Color)	4289717469 (0xFFAFE4DD)
YUV	211.3550, 4.7550, -31.8833
Hunter-Lab	83.5591, -21.3161, 2.5771

Details

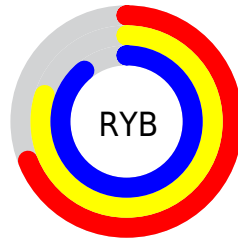
The XYZ color **58.4737, 69.8212, 78.8016** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7708, 50.5331, 51.0731**, and the grayscale version is **62.1366, 65.3725, 71.1907**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **29.5206, 36.3232, 41.5316** is the 20% darker color. If you saturate the color by 10%, you get **53.3848, 67.2456, 76.4883**, and if you desaturate by 10%, it is **64.4378, 72.8508, 81.1965**.

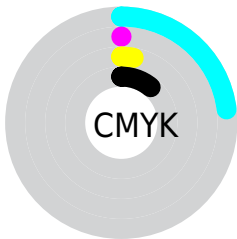
Distribution



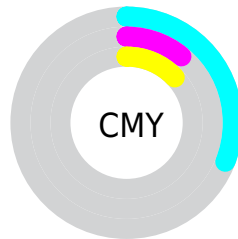
- Red (69%)
- Green (89%)
- Blue (87%)



- Red (69%)
- Yellow (80%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (31%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4737, 69.8212, 78.8016 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 58.4737, 69.8212, 78.8016 by changing the saturation by 10% instead.

■ 58.4737, 69.8212,
78.8016

■ 58.4737, 69.8212,
78.8016

408.8742,
459.9220, 510.4848

■ 42.4343, 51.3808,
58.2123

■ 101.7314,
118.9537, 133.4756

■ 29.6341, 36.5117,
41.5636

129.6804,
150.4146, 168.3975

■ 19.7077, 24.8297,
28.4367

162.3300,
186.9845, 208.9340

■ 12.2898, 15.9502,
18.4132

200.0455,
229.0477, 255.5037

■ 7.0150, 9.4889,
11.0745

243.1923,
276.9887, 308.5251

■ 3.5179, 5.0614,
6.0022

292.1358,

■ 1.4332, 2.2834,

331.1918, 368.4167

2.7776

347.2413,
392.0414, 435.5971

■ 0.2797, 0.7649,
0.9822

■ 0.0000, 0.0000,
0.0000

■ 58.4737, 69.8212,
78.8016

■ 58.4737, 69.8212,
78.8016

■ 53.3848, 67.2456,
76.4883

■ 64.4378, 72.8508,
81.1965

■ 49.1217, 65.0930,
74.2495

■ 71.3115, 76.3467,
83.6702

■ 45.6393, 63.3421,
72.0845

■ 79.1347, 80.3312,
86.2263

■ 42.8856, 61.9660,
69.9906

■ 83.7000, 82.6354,
88.6682

■ 40.8023, 60.9347,
67.9649

■ 84.1343, 82.8091,
90.9551

■ 39.3221, 60.2135,
66.0041

■ 84.5759, 82.9858,
93.2809

■ 38.3635, 59.7604,
64.1041

■ 85.0250, 83.1655,
95.6457

■ 37.9238, 59.5610,
62.8510

■ 85.4816, 83.3481,
98.0499

■ 85.9456, 83.5337,
100.4934

Harmonies

Analogous

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



59.0478, 69.8212, 67.0058



58.4737, 69.8212, 78.8016



59.9389, 69.8212, 91.0742

Triad

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



58.4737, 69.8212, 78.8016



71.4289, 69.8212, 96.6804



69.6995, 69.8212, 56.2647

Complementary

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



58.4737, 69.8212, 78.8016



55.7708, 50.5331, 51.0731

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.



73.2303, 69.8212, 62.7295



58.4737, 69.8212, 78.8016



74.2586, 69.8212, 85.8158

Square

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



58.4737, 69.8212, 78.8016



67.3261, 69.8212, 102.0935



74.9317, 69.8212, 73.3113



65.4091, 69.8212, 54.8183

Rectangle

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



58.4737, 69.8212, 78.8016



61.9140, 69.8212, 97.6013



74.9317, 69.8212, 73.3113



71.0201, 69.8212, 57.8862

Sweetspot

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



58.4757, 69.8241, 78.8032



88.4077, 96.6194, 106.6193



54.7905, 68.5380, 50.9000



18.8063, 20.6212, 22.7793



0.0000, 0.0000, 0.0000



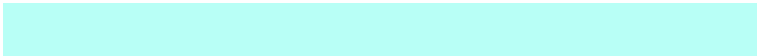
20.3446, 21.4041, 23.3091

Same Dimension

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



58.4757, 69.8241, 78.8032



71.9995, 88.2882, 100.0868



54.3791, 60.1063, 82.1377



14.7212, 16.3019, 18.0626



21.9294, 34.4039, 36.4582



1.6434, 2.5515, 2.8146

Inverse Universe

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



55.7708, 50.5331, 51.0731



67.9269, 59.2268, 58.3235



59.1235, 58.3681, 48.7086



14.4541, 14.3988, 15.3258



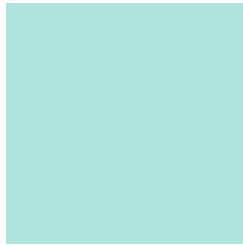
18.6356, 9.5885, 1.7102



1.4022, 0.7186, 0.2583

Previews

White Background



This preview shows how the XYZ color 58.4737, 69.8212, 78.8016 looks on a white background.

Color Contrast Check

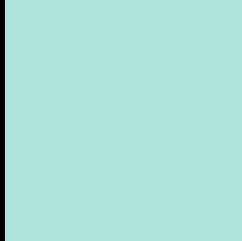
Large Text (above 18pt) WCAG AA × Fail

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 58.4737, 69.8212, 78.8016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

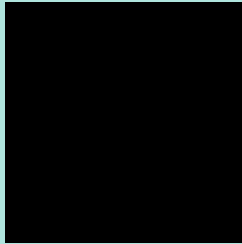
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

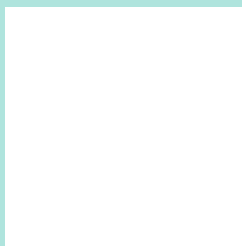
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.4737, 69.8212, 78.8016

Background



This preview shows how black text looks on a background with the XYZ color 58.4737, 69.8212, 78.8016.

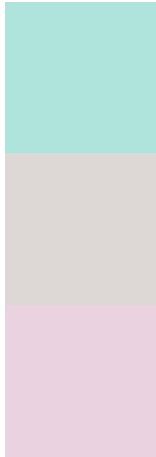


This preview shows how white text looks on a background with the XYZ color 58.4737, 69.8212,

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

58.4737, 69.8212, 78.8016

Protanopia

66.5123, 69.3389, 73.4965

Deuteranopia

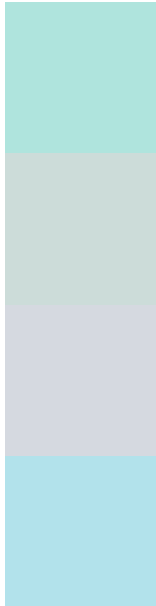
70.5689, 69.0219, 80.8373



Tritanopia

61.6933, 69.9052, 95.0355

Trichromacy



Original Color

58.4737, 69.8212, 78.8016

Protanomaly

63.0194, 69.0335, 75.6490

Deuteranomaly

65.7080, 69.1537, 80.4058

Tritanomaly

60.5518, 69.8558, 88.8894

Monochromacy



Original Color

58.4737, 69.8212, 78.8016

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.3673, 66.5378, 73.9514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4737, 69.8212, 78.8016 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(175, 228, 221)` looks like.

```
.text, #text, p{  
    color:rgb(175, 228, 221)  
}
```

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(175, 228, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 228, 221) }
```

Border

The CSS property to change the border of an element to XYZ 58.4737, 69.8212, 78.8016 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(175, 228, 221) }
```


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

```
.border{ border-color:rgb(175, 228, 221) }
```

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

Here you see how a box with a 4 pixel rgb(175, 228, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 228, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 228, 221);  
box-shadow:4px 4px 4px 4px rgb(175, 228,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4737, 69.8212, 78.8016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 228, 221) }
```

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

```
.background{ background-color: rgb(175,  
228, 221) }
```

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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