

Converting Colors

XYZ(58.9909, 71.0607, 81.8010)

Have a look what the booklet for
XYZ(58.9909, 71.0607, 81.8010)
contains.

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Color

**XYZ(59.1798, 71.3587,
81.8887)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE7E1
RGB	172, 231, 225
RGB Percent	67%, 91%, 88%
CMY	0.3255, 0.0941, 0.1176
CMYK	0.26, 0.00, 0.03, 0.09
HSL	174°, 55%, 79%
HSV	174°, 26%, 91%
XYZ	59.1798, 71.3587, 81.8887
YIQ	212.6750, -33.2380, -14.3740

Conversions

Conversions Part 2

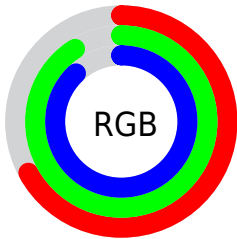
Format	Color
RYB	172, 203, 231
Decimal	11331553
CIELab	87.66, -19.85, -3.16
CIELCh	88, 20.101, 189.038
Yxy	71.3587, 0.2786, 0.3359
Android (android.graphics.Color)	4289521633 (0xFFACE7E1)
YUV	212.6750, 6.0762, -35.6720
Hunter-Lab	84.4741, -22.7783, 1.6565

Details

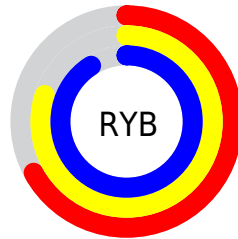
The XYZ color **59.1798, 71.3587, 81.8887** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7459, 49.7104, 48.7793**, and the grayscale version is **63.0071, 66.2883, 72.1880**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **30.0569, 37.4138, 43.6676** is the 20% darker color. If you saturate the color by 10%, you get **54.2261, 68.8436, 79.9961**, and if you desaturate by 10%, it is **65.0233, 74.3357, 83.8491**.

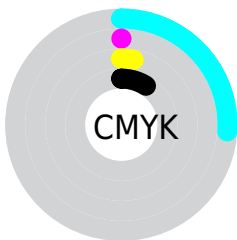
Distribution



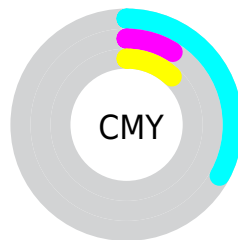
- Red (67%)
- Green (91%)
- Blue (88%)



- Red (67%)
- Yellow (80%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (33%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1798, 71.3587, 81.8887 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 59.1798, 71.3587, 81.8887 by changing the saturation by 10% instead.

■ 59.1798, 71.3587,
81.8887

■ 59.1798, 71.3587,
81.8887

411.4513,
465.3064, 521.1490

■ 43.0048, 52.6350,
60.7385

■ 102.7521,
121.1443, 137.8532

■ 30.0834, 37.5115,
43.5850

130.8801,
152.9750, 173.5046

■ 20.0503, 25.6037,
30.0096

163.7231,
189.9435, 214.8268

■ 12.5401, 16.5274,
19.5937

201.6465,
232.4342, 262.2384

■ 7.1874, 9.8981,
11.9189

245.0157,
280.8314, 316.1578

■ 3.6270, 5.3315,
6.5666

294.1960,

■ 1.4933, 2.4430,

335.5196, 377.0037

3.1183

349.5527,
396.8831, 445.1946

■ 0.3213, 0.8479,
1.1553

■ 0.0000, 0.0000,
0.0000

■ 59.1798, 71.3587,
81.8887

■ 59.1798, 71.3587,
81.8887

■ 54.2261, 68.8436,
79.9961

■ 65.0233, 74.3357,
83.8491

■ 50.1104, 66.7582,
78.1641

■ 71.7927, 77.7876,
85.8744

■ 46.7850, 65.0796,
76.3919

■ 79.5296, 81.7378,
87.9682

■ 44.1949, 63.7797,
74.6769

■ 84.7263, 84.3780,
89.9664

■ 42.2783, 62.8264,
73.0162

■ 85.0671, 84.5143,
91.7608

■ 40.9626, 62.1824,
71.4061

■ 85.4123, 84.6524,
93.5789

■ 40.1591, 61.8020,
69.8425

■ 85.7621, 84.7923,
95.4208

■ 39.9012, 61.6839,
69.1572

■ 86.1164, 84.9340,
97.2865

■ 86.4753, 85.0775,
99.1762

Harmonies

Analogous

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



59.6304, 71.3587, 68.6909



59.1798, 71.3587, 81.8887



60.9598, 71.3587, 95.4063

Triad

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



59.1798, 71.3587, 81.8887



73.7546, 71.3587, 99.8910



71.1521, 71.3587, 55.6978

Complementary

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



59.1798, 71.3587, 81.8887



55.7459, 49.7104, 48.7793

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.



75.1858, 71.3587, 62.3279



59.1798, 71.3587, 81.8887



76.7364, 71.3587, 87.4589

Square

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



59.1798, 71.3587, 81.8887



69.2724, 71.3587, 106.5702



77.2721, 71.3587, 73.6518



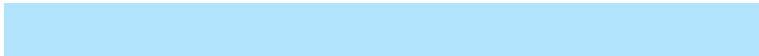
66.3965, 71.3587, 54.5763

Rectangle

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



59.1798, 71.3587, 81.8887



63.2230, 71.3587, 102.4155



77.2721, 71.3587, 73.6518



72.6436, 71.3587, 57.3156

Sweetspot

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



59.1819, 71.3616, 81.8903



87.6066, 96.2012, 106.8168



54.5880, 69.7031, 49.6081



18.4705, 20.4477, 22.7807



0.0000, 0.0000, 0.0000



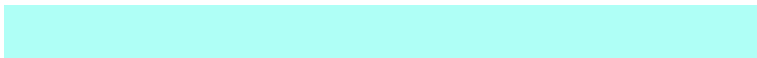
20.3446, 21.4041, 23.3091

Same Dimension

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



59.1819, 71.3616, 81.8903



70.4351, 87.4571, 101.1300



54.0887, 59.8415, 84.3044



14.7409, 16.3098, 18.1665



22.3950, 34.5901, 38.9100



1.6733, 2.5634, 2.9719

Inverse Universe

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



55.7459, 49.7104, 48.7793



65.4065, 55.7514, 52.6570



59.8332, 58.8285, 47.2326



14.4363, 14.3917, 15.2318



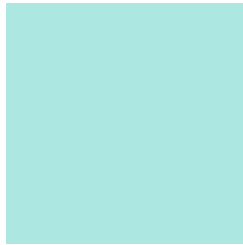
18.5855, 9.5684, 1.4465



1.3937, 0.7152, 0.2136

Previews

White Background



This preview shows how the XYZ color 59.1798, 71.3587, 81.8887 looks on a white background.

Color Contrast Check

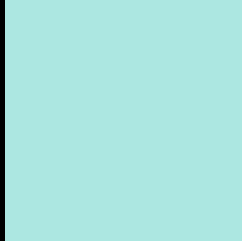
Large Text (above 18pt) WCAG AA × Fail

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 59.1798, 71.3587, 81.8887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

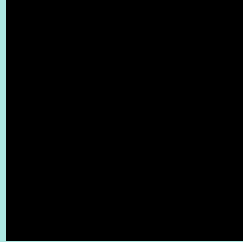
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1798, 71.3587, 81.8887

Background



This preview shows how black text looks on a background with the XYZ color 59.1798, 71.3587, 81.8887.

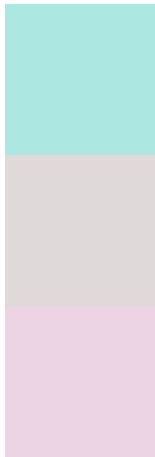


This preview shows how white text looks on a background with the XYZ color 59.1798, 71.3587,

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

59.1798, 71.3587, 81.8887

Protanopia

68.0272, 70.8405, 75.7338

Deuteranopia

72.2784, 70.5770, 83.9420



Tritanopia

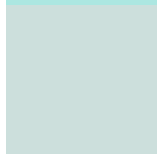
62.2825, 71.3707, 97.6821

Trichromacy



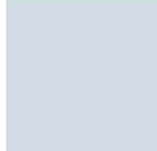
Original Color

59.1798, 71.3587, 81.8887



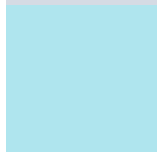
Protanomaly

64.2078, 70.7800, 77.9879



Deuteranomaly

66.7757, 70.4106, 83.4699



Tritanomaly

61.1311, 71.3256, 91.4342

Monochromacy



Original Color

59.1798, 71.3587, 81.8887



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.4063, 68.2019, 75.5735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1798, 71.3587, 81.8887 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(172, 231, 225)` looks like.

```
.text, #text, p{  
    color:rgb(172, 231, 225)  
}
```

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(172, 231, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 231, 225) }
```

Border

The CSS property to change the border of an element to XYZ 59.1798, 71.3587, 81.8887 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(172, 231, 225) }
```


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

```
.border{ border-color:rgb(172, 231, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 231, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 231, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 231, 225);  
box-shadow:4px 4px 4px 4px rgb(172, 231,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1798, 71.3587, 81.8887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 231, 225) }
```

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

```
.background{ background-color: rgb(172,  
231, 225) }
```

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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