

Converting Colors

XYZ(59.2133, 67.9871, 73.2838)

Have a look what the booklet for
XYZ(59.2133, 67.9871, 73.2838)
contains.

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Color

**XYZ(59.1178, 67.8655,
72.9343)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDDED5
RGB	189, 222, 213
RGB Percent	74%, 87%, 84%
CMY	0.2588, 0.1294, 0.1647
CMYK	0.15, 0.00, 0.04, 0.13
HSL	164°, 33%, 81%
HSV	164°, 15%, 87%
XYZ	59.1178, 67.8655, 72.9343
YIQ	211.1070, -16.7790, -9.7950

Conversions

Conversions Part 2

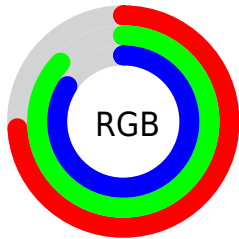
Format	Color
RYB	189, 208, 222
Decimal	12443349
CIELab	85.94, -12.59, 0.76
CIELCh	86, 12.611, 176.526
Yxy	67.8655, 0.2957, 0.3395
Android (android.graphics.Color)	4290633429 (0xFFBDDDED5)
YUV	211.1070, 0.9332, -19.3878
Hunter-Lab	82.3805, -16.0710, 5.1749

Details

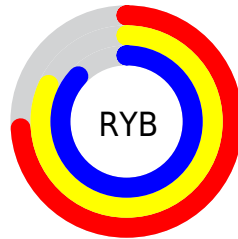
The XYZ color **59.1178, 67.8655, 72.9343** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.5173, 56.0038, 61.1548**, and the grayscale version is **61.9911, 65.2195, 71.0240**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **29.9819, 35.2570, 37.5728** is the 20% darker color. If you saturate the color by 10%, you get **53.2728, 64.9413, 68.7236**, and if you desaturate by 10%, it is **65.8383, 71.2414, 77.3387**.

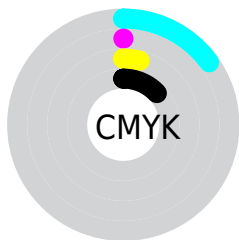
Distribution



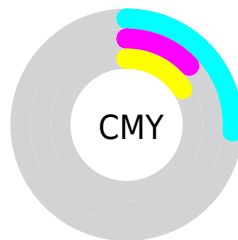
- Red (74%)
- Green (87%)
- Blue (84%)



- Red (74%)
- Yellow (82%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)





- Cyan (26%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1178, 67.8655, 72.9343 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 59.1178, 67.8655, 72.9343 by changing the saturation by 10% instead.


 59.1178, 67.8655,
72.9343

 59.1178, 67.8655,
72.9343

411.2254,
453.0193, 489.8517

 42.9547, 49.7883,
53.4307


 102.6625,
116.1597, 125.1040

 30.0439, 35.2452,
37.7567


130.7748,
147.1455, 158.6072

 20.0202, 23.8518,
25.4935


163.6009,
183.2030, 197.6141

 12.5181, 15.2238,
16.2228


201.5061,
224.7166, 242.5431

 7.1722, 8.9766,
9.5259

244.8558,
272.0706, 293.8128

 3.6173, 4.7259,
4.9843

294.0153,

 1.4880, 2.0874,

325.6495, 351.8418

2.1795

349.3501,
385.8376, 417.0486

■ 0.3177, 0.6575,
0.6625

■ 0.0000, 0.0000,
0.0000

■ 59.1178, 67.8655,
72.9343

■ 59.1178, 67.8655,
72.9343

■ 53.2728, 64.9413,
68.7236

■ 65.8383, 71.2414,
77.3387

■ 48.2590, 62.4405,
64.6986


■ 73.4647, 75.0791,
81.9356


■ 44.0368, 60.3445,
60.8573


■ 81.8105, 79.2843,
86.7191


■ 40.5613, 58.6303,
57.1959


■ 82.6818, 79.6328,
91.3075


 37.7825, 57.2720,
53.7104


 83.5830, 79.9933,
96.0533


 35.6446, 56.2410,
50.3965

 84.5144, 80.3659,
100.9581

 34.0824, 55.5037,
47.2492

 85.4126, 80.7251,
105.6875

 33.0166, 55.0193,
44.2632

 32.5946, 54.8339,
42.7890

Harmonies

Analogous

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



59.9815, 67.8655, 65.4636



59.1178, 67.8655, 72.9343



59.6614, 67.8655, 81.2276

Triad

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



59.1178, 67.8655, 72.9343



67.0164, 67.8655, 89.0586



67.6161, 67.8655, 61.4047

Complementary

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



59.1178, 67.8655, 72.9343



58.5173, 56.0038, 61.1548

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.



69.6020, 67.8655, 67.0157



59.1178, 67.8655, 72.9343



69.2485, 67.8655, 83.0188

Square

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



59.1178, 67.8655, 72.9343



64.1681, 67.8655, 90.9347



70.2081, 67.8655, 74.8621



64.8413, 67.8655, 59.1274

Rectangle

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



59.1178, 67.8655, 72.9343



60.7579, 67.8655, 86.0480



70.2081, 67.8655, 74.8621



68.4013, 67.8655, 62.9420

Sweetspot

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



59.1197, 67.8683, 72.9358



90.9516, 97.9386, 106.3866



58.6898, 67.9731, 58.1720



19.3073, 20.8824, 22.6710



0.0000, 0.0000, 0.0000



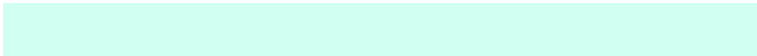
20.3446, 21.4041, 23.3091

Same Dimension

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



59.1197, 67.8683, 72.9358



78.1818, 91.5295, 97.9280



58.4355, 64.6199, 78.5036



13.9487, 15.5052, 16.7649



19.4086, 32.5883, 25.6723



1.3823, 2.2736, 1.9743

Inverse Universe

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



58.5173, 56.0038, 61.1548



77.1991, 72.1637, 78.7017



59.0855, 58.7532, 56.3715



13.8601, 13.7617, 15.0333



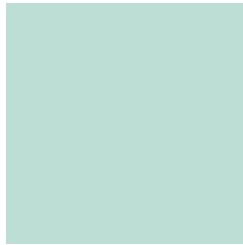
18.4267, 9.4377, 3.6467



1.3143, 0.6690, 0.4480

Previews

White Background



This preview shows how the XYZ color 59.1178, 67.8655, 72.9343 looks on a white background.

Color Contrast Check

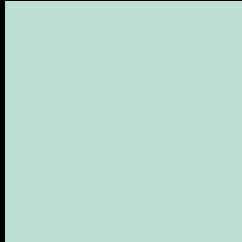
Large Text (above 18pt) WCAG AA × Fail

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 59.1178, 67.8655, 72.9343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

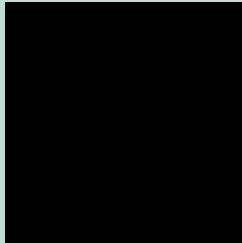
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

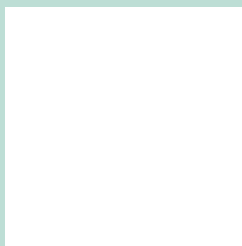
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.1178, 67.8655, 72.9343

Background



This preview shows how black text looks on a background with the XYZ color 59.1178, 67.8655, 72.9343.

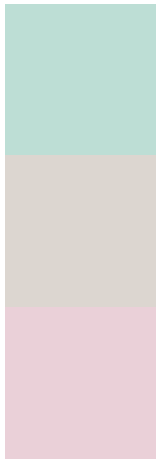


This preview shows how white text looks on a background with the XYZ color 59.1178, 67.8655,

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

59.1178, 67.8655, 72.9343

Protanopia

64.9469, 67.8628, 69.3503

Deuteranopia

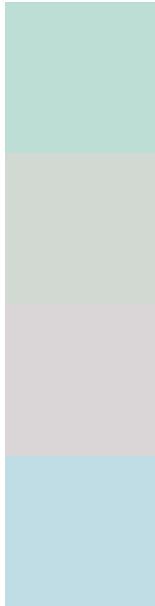
68.8822, 67.5620, 74.3760



Tritanopia

62.4642, 68.0566, 89.2009

Trichromacy



Original Color

59.1178, 67.8655, 72.9343

Protanomaly

62.7402, 67.8342, 70.7593

Deuteranomaly

64.9734, 67.4002, 73.8751

Tritanomaly

61.3350, 67.9943, 83.2903

Monochromacy



Original Color

59.1178, 67.8655, 72.9343

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.8127, 66.0509, 71.8313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1178, 67.8655, 72.9343 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(189, 222, 213)` looks like.

```
.text, #text, p{  
    color:rgb(189, 222, 213)  
}
```

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(189, 222, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 222, 213) }
```

Border

The CSS property to change the border of an element to XYZ 59.1178, 67.8655, 72.9343 is called "border". The border property can be set on classes, ids or directly on the HTML element.

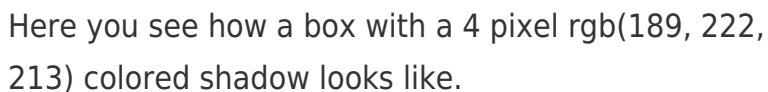
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 222, 213) }
```


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

```
.border{ border-color:rgb(189, 222, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 222, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 222, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 222, 213); box-shadow:4px 4px 4px 4px rgb(189, 222, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1178, 67.8655, 72.9343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 222, 213) }
```

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

```
.background{ background-color: rgb(189,  
222, 213) }
```

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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