

Converting Colors

XYZ(59.0822, 69.2457, 78.2548)

Have a look what the booklet for
XYZ(59.0822, 69.2457, 78.2548)
contains.

XYZ(59.1707, 69.3838, 77.9839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.1707, 69.3838,
77.9839)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E2DC
RGB	181, 226, 220
RGB Percent	71%, 89%, 86%
CMY	0.2902, 0.1137, 0.1372
CMYK	0.20, 0.00, 0.03, 0.11
HSL	172°, 44%, 80%
HSV	172°, 20%, 89%
XYZ	59.1707, 69.3838, 77.9839
YIQ	211.8610, -24.8940, -11.4060

Conversions

Conversions Part 2

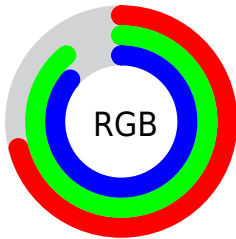
Format	Color
RYB	181, 205, 226
Decimal	11920092
CIELab	86.69, -15.71, -1.88
CIELCh	87, 15.825, 186.836
Yxy	69.3838, 0.2865, 0.3359
Android (android.graphics.Color)	4290110172 (0xFFB5E2DC)
YUV	211.8610, 4.0125, -27.0651
Hunter-Lab	83.2969, -18.9706, 2.7996

Details

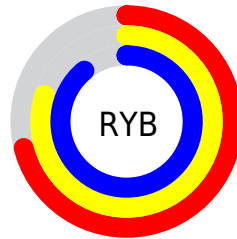
The XYZ color **59.1707, 69.3838, 77.9839** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.8600, 52.8063, 54.2125**, and the grayscale version is **62.4747, 65.7282, 71.5780**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **30.1068, 36.3545, 41.0276** is the 20% darker color. If you saturate the color by 10%, you get **53.9000, 66.7142, 75.6729**, and if you desaturate by 10%, it is **65.3122, 72.5051, 80.3762**.

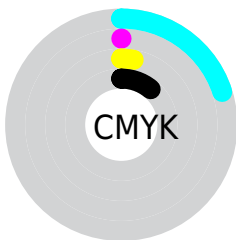
Distribution



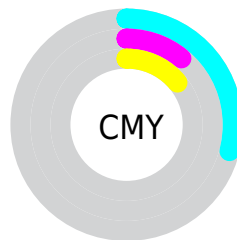
- Red (71%)
- Green (89%)
- Blue (86%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1707, 69.3838, 77.9839 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 59.1707, 69.3838, 77.9839 by changing the saturation by 10% instead.

■ 59.1707, 69.3838,
77.9839

■ 59.1707, 69.3838,
77.9839

411.4181,
458.3834, 507.6386

■ 42.9974, 51.0243,
57.5444

■ 102.7389,
118.3296, 132.3131

■ 30.0776, 36.2280,
41.0302

130.8646,
149.6847, 167.0398

■ 20.0459, 24.6103,
28.0228

163.7051,
186.1405, 207.3661

■ 12.5369, 15.7870,
18.1037

201.6259,
228.0814, 253.7104

■ 7.1852, 9.3735,
10.8542

244.9922,
275.8917, 306.4912

■ 3.6255, 4.9856,
5.8560

294.1694,

■ 1.4926, 2.2388,

329.9559, 366.1272

2.6903

349.5230,
390.6583, 433.0368

■ 0.3208, 0.7410,
0.9386

■ 0.0000, 0.0000,
0.0000

■ 59.1707, 69.3838,
77.9839

■ 59.1707, 69.3838,
77.9839

■ 53.9000, 66.7142,
75.6729

■ 65.3122, 72.5051,
80.3762

■ 49.4528, 64.4665,
73.4364

■ 72.3572, 76.0896,
82.8470

■ 45.7861, 62.6203,
71.2736

■ 80.3439, 80.1586,
85.3999

■ 42.8508, 61.1504,
69.1821

■ 83.0117, 81.4849,
87.7421

■ 40.5922, 60.0285,
67.1590

■ 83.4439, 81.6578,
90.0180

■ 38.9478, 59.2224,
65.2013

■ 83.8835, 81.8336,
92.3328

■ 37.8434, 58.6938,
63.3053

■ 84.3305, 82.0124,
94.6867

■ 37.1506, 58.3767,
61.4647

■ 84.7850, 82.1942,
97.0798

■ 37.1451, 58.3742,
61.4487

■ 85.2469, 82.3789,
99.5124

Harmonies

Analogous

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



59.6557, 69.3838, 67.8556



59.1707, 69.3838, 77.9839



60.4466, 69.3838, 88.3540

Triad

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



59.1707, 69.3838, 77.9839



70.2793, 69.3838, 92.9474



68.7689, 69.3838, 58.4118

Complementary

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



59.1707, 69.3838, 77.9839



56.8600, 52.8063, 54.2125

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.



71.7718, 69.3838, 64.0418



59.1707, 69.3838, 77.9839



72.6662, 69.3838, 83.7991

Square

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



59.1707, 69.3838, 77.9839



66.7927, 69.3838, 97.4978



73.2223, 69.3838, 73.1617



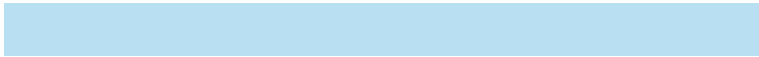
65.1089, 69.3838, 57.1663

Rectangle

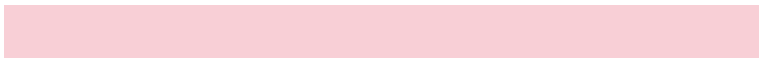
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.1707, 69.3838, 77.9839



62.1531, 69.3838, 93.8047



73.2223, 69.3838, 73.1617



69.8927, 69.3838, 59.8271

Sweetspot

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



59.1727, 69.3867, 77.9855



89.3165, 97.0820, 106.9255



56.2165, 68.3915, 53.9553



18.9896, 20.7145, 22.8410



0.0000, 0.0000, 0.0000



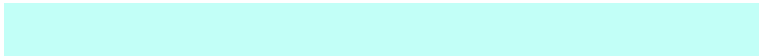
20.3446, 21.4041, 23.3091

Same Dimension

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



59.1727, 69.3867, 77.9855



74.7201, 89.6682, 101.2328



55.8940, 61.5339, 80.8861



14.0338, 15.5392, 17.2131



21.2224, 33.3138, 35.2236



1.4931, 2.3180, 2.5580

Inverse Universe

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



56.8600, 52.8063, 54.2125



71.1437, 64.0172, 64.4615



59.6165, 59.3263, 52.0263



13.7813, 13.7302, 14.6185



18.0526, 9.2880, 1.6769



1.2757, 0.6535, 0.2445

Previews

White Background



This preview shows how the XYZ color 59.1707, 69.3838, 77.9839 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 59.1707, 69.3838, 77.9839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

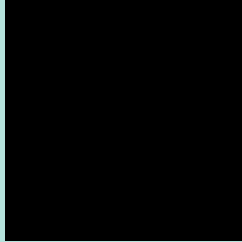
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

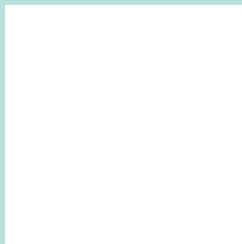
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.1707, 69.3838, 77.9839

Background



This preview shows how black text looks on a background with the XYZ color 59.1707, 69.3838, 77.9839.



This preview shows how white text looks on a background with the XYZ color 59.1707, 69.3838,

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

59.1707, 69.3838, 77.9839

Protanopia

66.2568, 68.8281, 73.4114

Deuteranopia

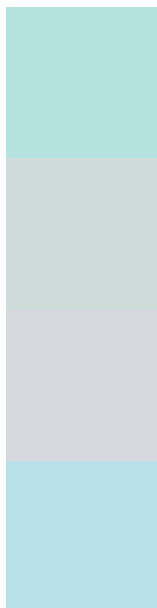
70.2976, 68.9133, 79.4086



Tritanopia

62.2724, 69.4405, 93.3403

Trichromacy



Original Color

59.1707, 69.3838, 77.9839

Protanomaly

63.1798, 68.7427, 74.9045

Deuteranomaly

65.7650, 68.8327, 78.9271

Tritanomaly

61.1308, 69.3848, 87.2615

Monochromacy



Original Color

59.1707, 69.3838, 77.9839

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.1660, 66.9495, 73.9887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1707, 69.3838, 77.9839 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(181, 226, 220)` looks like.

```
.text, #text, p{  
    color:rgb(181, 226, 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(181, 226, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 226, 220) }
```

Border

The CSS property to change the border of an element to XYZ 59.1707, 69.3838, 77.9839 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(181, 226, 220) }
```


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

```
.border{ border-color:rgb(181, 226, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 226, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 226, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 226, 220);  
box-shadow:4px 4px 4px 4px rgb(181, 226,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1707, 69.3838, 77.9839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 226, 220) }
```

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

```
.background{ background-color: rgb(181,  
226, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor