

Converting Colors

XYZ(59.3967, 68.9637, 78.0750)

Have a look what the booklet for
XYZ(59.3967, 68.9637, 78.0750)
contains.

XYZ(59.3719, 69.0850, 77.9157)	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(59.3719, 69.0850,
77.9157)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E1DC
RGB	183, 225, 220
RGB Percent	72%, 88%, 86%
CMY	0.2823, 0.1176, 0.1372
CMYK	0.19, 0.00, 0.02, 0.12
HSL	173°, 41%, 80%
HSV	173°, 19%, 88%
XYZ	59.3719, 69.0850, 77.9157
YIQ	211.8720, -23.4270, -10.4590

Conversions

Conversions Part 2

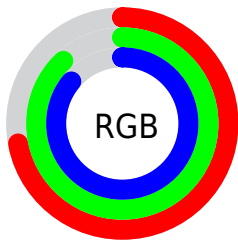
Format	Color
RYB	183, 205, 225
Decimal	12050908
CIELab	86.55, -14.59, -2.09
CIElCh	87, 14.741, 188.135
Yxy	69.0850, 0.2877, 0.3348
Android (android.graphics.Color)	4290240988 (0xFFB7E1DC)
YUV	211.8720, 4.0071, -25.3207
Hunter-Lab	83.1174, -17.9504, 2.6027

Details

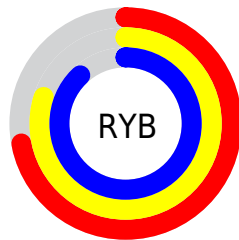
The XYZ color **59.3719, 69.0850, 77.9157** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.0643, 53.5072, 54.9001**, and the grayscale version is **62.4812, 65.7351, 71.5856**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **30.2195, 36.1332, 40.9790** is the 20% darker color. If you saturate the color by 10%, you get **54.0904, 66.4048, 75.8317**, and if you desaturate by 10%, it is **65.5186, 72.2142, 80.0728**.

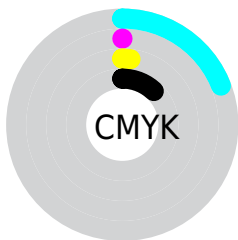
Distribution



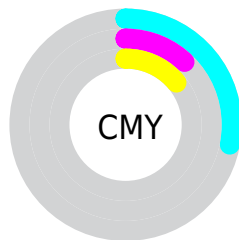
- Red (72%)
- Green (88%)
- Blue (86%)



- Red (72%)
- Yellow (80%)
- Blue (88%)



- Cyan (19%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)



- Cyan (28%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3719, 69.0850, 77.9157 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 59.3719, 69.0850, 77.9157 by changing the saturation by 10% instead.

■ 59.3719, 69.0850,
77.9157

■ 59.3719, 69.0850,
77.9157

412.1507,
457.3307, 507.4008

■ 43.1601, 50.7809,
57.4887

■ 103.0295,
117.9030, 132.2161

■ 30.2058, 36.0343,
40.9858

131.2061,
149.1857, 166.9265

■ 20.1437, 24.4607,
27.9883

164.1015,
185.5634, 207.2352

■ 12.6084, 15.6757,
18.0779

202.0813,
227.4205, 253.5606

■ 7.2346, 9.2950,
10.8359

245.5108,
275.1414, 306.3214

■ 3.6569, 4.9341,
5.8438

294.7552,

■ 1.5099, 2.2086,

329.1104, 365.9359

2.6831

350.1801,
389.7121, 432.8229

■ 0.3326, 0.7247,
0.9349

■ 0.0000, 0.0000,
0.0000

■ 59.3719, 69.0850,
77.9157

■ 59.3719, 69.0850,
77.9157

■ 54.0904, 66.4048,
75.8317

■ 65.5186, 72.2142,
80.0728

■ 49.6276, 64.1442,
73.8142

■ 72.5623, 75.8034,
82.3003

■ 45.9415, 62.2833,
71.8624

■ 80.5409, 79.8738,
84.6014

■ 42.9842, 60.7975,
69.9741

■ 82.5510, 80.8667,
86.6534

■ 40.7023, 59.6592,
68.1465

■ 82.9319, 81.0191,
88.6594

■ 39.0350, 58.8371,
66.3767

■ 83.3187, 81.1738,
90.6961

■ 37.9108, 58.2944,
64.6611

■ 83.7113, 81.3309,
92.7635

■ 37.2219, 57.9754,
62.9947

■ 84.1098, 81.4902,
94.8618

■ 37.1431, 57.9396,
62.7754

■ 84.5141, 81.6520,
96.9912

Harmonies

Analogous

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



59.7528, 69.0850, 68.4298



59.3719, 69.0850, 77.9157



60.6300, 69.0850, 87.4490

Triad

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



59.3719, 69.0850, 77.9157



69.8043, 69.0850, 91.0131



68.1405, 69.0850, 59.0763

Complementary

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



59.3719, 69.0850, 77.9157



57.0643, 53.5072, 54.9001

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.



70.9675, 69.0850, 64.1911



59.3719, 69.0850, 77.9157



71.9510, 69.0850, 82.4490

Square

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



59.3719, 69.0850, 77.9157



66.5972, 69.0850, 95.4275



72.3840, 69.0850, 72.5908



64.7380, 69.0850, 58.0908

Rectangle

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



59.3719, 69.0850, 77.9157



62.2556, 69.0850, 92.3598



72.3840, 69.0850, 72.5908



69.1930, 69.0850, 60.3470

Sweetspot

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



59.3739, 69.0879, 77.9173



89.3513, 97.0960, 107.1090



56.3617, 68.0399, 54.9633



18.9978, 20.7178, 22.8845



0.0000, 0.0000, 0.0000



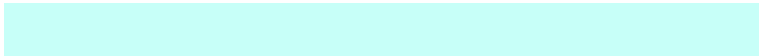
20.3446, 21.4041, 23.3091

Same Dimension

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



59.3739, 69.0879, 77.9173



76.2793, 90.4455, 102.5031



56.0690, 61.4018, 80.1340



14.0426, 15.5428, 17.2595



21.4313, 33.3974, 36.3238



1.5056, 2.3230, 2.6238

Inverse Universe

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



57.0643, 53.5072, 54.9001



72.7303, 66.4968, 67.1286



59.8866, 59.9999, 53.2257



13.7733, 13.7270, 14.5764



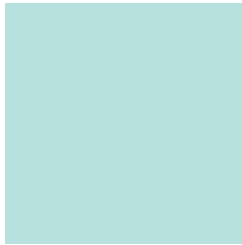
18.0282, 9.2783, 1.5481



1.2719, 0.6520, 0.2245

Previews

White Background



This preview shows how the XYZ color 59.3719, 69.0850, 77.9157 looks on a white background.

Color Contrast Check

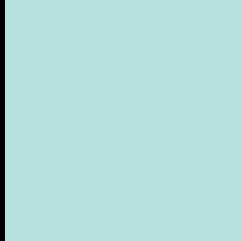
Large Text (above 18pt) WCAG AA × Fail

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 59.3719, 69.0850, 77.9157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

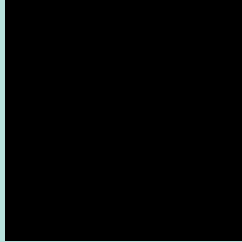
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3719, 69.0850, 77.9157

Background



This preview shows how black text looks on a background with the XYZ color 59.3719, 69.0850, 77.9157.

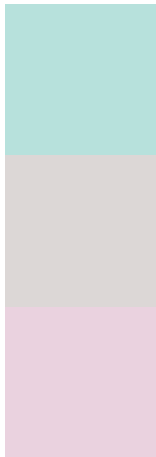


This preview shows how white text looks on a background with the XYZ color 59.3719, 69.0850,

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

59.3719, 69.0850, 77.9157

Protanopia

65.9532, 68.6716, 73.3972

Deuteranopia

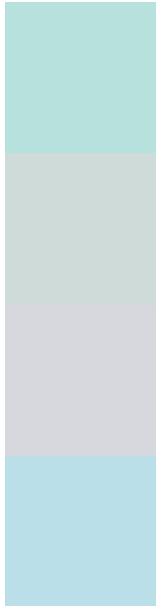
70.2976, 68.9133, 79.4086



Tritanopia

62.3430, 69.0986, 92.4896

Trichromacy



Original Color

59.3719, 69.0850, 77.9157

Protanomaly

63.4583, 68.8863, 74.9175

Deuteranomaly

65.5096, 68.3219, 78.8420

Tritanomaly

61.3454, 69.0976, 87.1947

Monochromacy



Original Color

59.3719, 69.0850, 77.9157

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 59.3719, 69.0850, 77.9157 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(183, 225, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 225, 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(183, 225, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 220) }
```

Border

The CSS property to change the border of an element to XYZ 59.3719, 69.0850, 77.9157 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(183, 225, 220) }
```


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

```
.border{ border-color:rgb(183, 225, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 225, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 225, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 225, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 225,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3719, 69.0850, 77.9157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 225, 220) }
```

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

```
.background{ background-color: rgb(183,  
225, 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](#).

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