

Converting Colors

XYZ(59.4547, 69.1902, 87.7480)

Have a look what the booklet for
XYZ(59.4547, 69.1902, 87.7480)
contains.

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Color

**XYZ(59.5032, 69.3319,
88.0881)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE2EA
RGB	174, 226, 234
RGB Percent	68%, 89%, 92%
CMY	0.3176, 0.1137, 0.0823
CMYK	0.26, 0.03, 0.00, 0.08
HSL	188°, 59%, 80%
HSV	188°, 26%, 92%
XYZ	59.5032, 69.3319, 88.0881
YIQ	211.3640, -33.5600, -8.5360

Conversions

Conversions Part 2

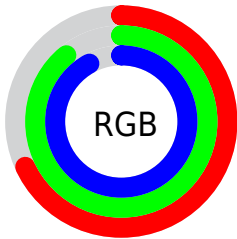
Format	Color
RYB	174, 202, 234
Decimal	11461354
CIELab	86.67, -14.80, -9.34
CIELCh	87, 17.507, 212.260
Yxy	69.3319, 0.2743, 0.3196
Android (android.graphics.Color)	4289651434 (0xFFAEE2EA)
YUV	211.3640, 11.1595, -32.7682
Hunter-Lab	83.2658, -18.1559, -4.4377

Details

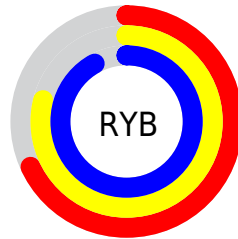
The XYZ color **59.5032, 69.3319, 88.0881** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.3004, 54.0047, 47.3971**, and the grayscale version is **62.1036, 65.3378, 71.1529**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **30.3445, 36.3332, 47.5332** is the 20% darker color. If you saturate the color by 10%, you get **53.8975, 65.1961, 87.5864**, and if you desaturate by 10%, it is **66.0366, 73.9723, 88.6406**.

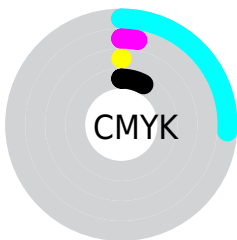
Distribution



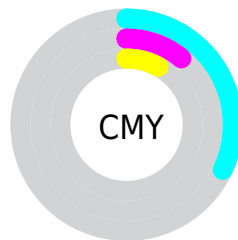
- Red (68%)
- Green (89%)
- Blue (92%)



- Red (68%)
- Yellow (79%)
- Blue (92%)



- Cyan (26%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (32%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5032, 69.3319, 88.0881 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 59.5032, 69.3319, 88.0881 by changing the saturation by 10% instead.

■ 59.5032, 69.3319,
88.0881

■ 59.5032, 69.3319,
88.0881

412.6283,
458.2007, 542.2005

■ 43.2663, 50.9821,
65.8313

■ 103.2191,
118.2555, 146.5920

■ 30.2895, 36.1943,
47.6798

131.4288,
149.5981, 183.6762

■ 20.2076, 24.5843,
33.2152

164.3601,
186.0403, 226.5399

■ 12.6552, 15.7676,
22.0189

202.3783,
227.9666, 275.6017

■ 7.2669, 9.3599,
13.6723

245.8490,
275.7614, 331.2801

■ 3.6774, 4.9767,
7.7570

295.1372,

■ 1.5213, 2.2336,

329.8091, 393.9937

3.8543

350.6086,
390.4941, 464.1610

■ 0.3402, 0.7382,
1.5458

■ 0.0000, 0.0000,
0.2517

■ 59.5032, 69.3319,
88.0881

■ 59.5032, 69.3319,
88.0881

■ 53.8975, 65.1961,
87.5864

■ 66.0366, 73.9723,
88.6406

■ 49.1661, 61.5321,
87.1286

■ 73.5353, 79.1316,
89.2412

■ 45.2596, 58.3160,
86.7137

■ 82.0422, 84.8338,
89.8935

■ 42.1213, 55.5185,
86.3391

■ 86.8060, 88.6297,
90.3751

■ 39.6868, 53.1062,
86.0018

■ 87.7244, 90.4665,
90.6812

■ 37.8814, 51.0406,
85.6983

■ 88.6587, 92.3350,
90.9926

■ 36.6129, 49.2738,
85.4241

■ 89.6088, 94.2353,
91.3093

■ 36.1630, 48.5637,
85.3107

■ 90.5749, 96.1675,
91.6314

■ 91.5571, 98.1318,
91.9588

Harmonies

Analogous

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



58.3881, 69.3319, 76.3774



59.5032, 69.3319, 88.0881



62.3243, 69.3319, 97.1003

Triad

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



59.5032, 69.3319, 88.0881



73.0650, 69.3319, 86.4032



65.5899, 69.3319, 55.2490

Complementary

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



59.5032, 69.3319, 88.0881



58.3004, 54.0047, 47.3971

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.



69.6055, 69.3319, 57.3515



59.5032, 69.3319, 88.0881



74.0255, 69.3319, 74.6108

Square

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



59.5032, 69.3319, 88.0881



70.1611, 69.3319, 96.0593



72.7351, 69.3319, 64.1554



61.8110, 69.3319, 58.0901

Rectangle

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



59.5032, 69.3319, 88.0881



64.8502, 69.3319, 99.9306



72.7351, 69.3319, 64.1554



66.9568, 69.3319, 55.4007

Sweetspot

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



59.5053, 69.3347, 88.0897



87.0777, 94.6115, 108.2801



55.2202, 71.1818, 54.5466



18.3362, 20.0440, 23.1524



0.0000, 0.0000, 0.0000



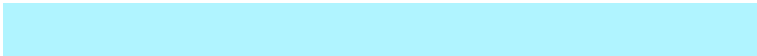
20.3446, 21.4041, 23.3091

Same Dimension

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



59.5053, 69.3347, 88.0897



68.4335, 81.4250, 106.7175



52.2745, 54.8732, 85.6794



15.3365, 16.7594, 19.3488



20.3888, 27.4245, 47.9618



1.6485, 2.2485, 3.7820

Inverse Universe

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



62.7969, 53.2571, 78.9246



73.1552, 58.8509, 93.4611



64.8672, 67.1383, 49.5860



15.6234, 15.2772, 18.5681



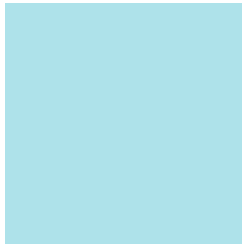
25.1466, 12.2613, 32.9030



1.9986, 0.9724, 2.7100

Previews

White Background



This preview shows how the XYZ color 59.5032, 69.3319, 88.0881 looks on a white background.

Color Contrast Check

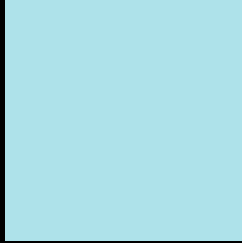
Large Text (above 18pt) WCAG AA × Fail

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 59.5032, 69.3319, 88.0881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

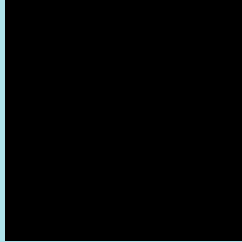
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.5032, 69.3319, 88.0881

Background



This preview shows how black text looks on a background with the XYZ color 59.5032, 69.3319, 88.0881.

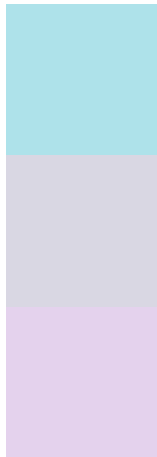


This preview shows how white text looks on a background with the XYZ color 59.5032, 69.3319,

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

59.5032, 69.3319, 88.0881

Protanopia

66.7808, 68.8986, 82.4521

Deuteranopia

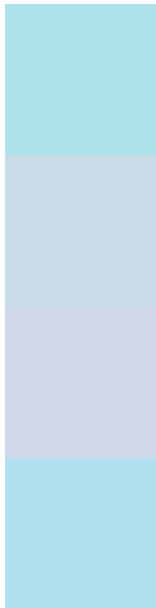
70.3276, 68.7016, 89.6748



Tritanopia

61.0074, 69.5516, 95.0034

Trichromacy



Original Color

59.5032, 69.3319, 88.0881

Protanomaly

63.7018, 68.7937, 84.7840

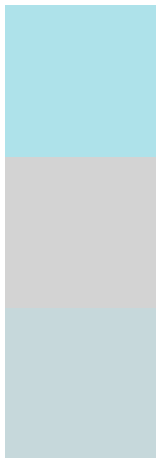
Deuteranomaly

65.7086, 68.5778, 89.1305

Tritanomaly

60.3326, 69.2557, 92.6259

Monochromacy



Original Color

59.5032, 69.3319, 88.0881

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

60.6308, 66.2320, 76.6063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5032, 69.3319, 88.0881 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(174, 226, 234)` looks like.

```
.text, #text, p{  
    color:rgb(174, 226, 234)  
}
```

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(174, 226, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 226, 234) }
```

Border

The CSS property to change the border of an element to XYZ 59.5032, 69.3319, 88.0881 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(174, 226, 234) }
```


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

```
.border{ border-color:rgb(174, 226, 234) }
```

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

Here you see how a box with a 4 pixel rgb(174, 226, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 226, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 226, 234);  
box-shadow:4px 4px 4px 4px rgb(174, 226,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5032, 69.3319, 88.0881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 226, 234) }
```

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

```
.background{ background-color: rgb(174,  
226, 234) }
```

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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