

Converting Colors

XYZ(59.8511, 74.1662, 78.2500)

Have a look what the booklet for
XYZ(59.8511, 74.1662, 78.2500)
contains.

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Color

**XYZ(59.8650, 74.3408,
78.2118)**

Conversions

Conversions Part 1

Format	Color
Hex	ABEDDB
RGB	171, 237, 219
RGB Percent	67%, 93%, 86%
CMY	0.3294, 0.0706, 0.1412
CMYK	0.28, 0.00, 0.08, 0.07
HSL	164°, 65%, 80%
HSV	164°, 28%, 93%
XYZ	59.8650, 74.3408, 78.2118
YIQ	215.2140, -33.5580, -19.5900

Conversions

Conversions Part 2

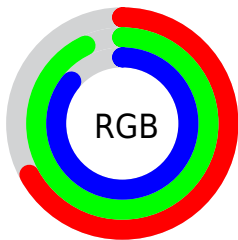
Format	Color
RYB	171, 209, 237
Decimal	11267547
CIELab	89.08, -24.35, 2.06
CIELCh	89, 24.436, 175.159
Yxy	74.3408, 0.2818, 0.3500
Android (android.graphics.Color)	4289457627 (0xFFABEDDB)
YUV	215.2140, 1.8665, -38.7757
Hunter-Lab	86.2211, -26.9509, 6.5724

Details

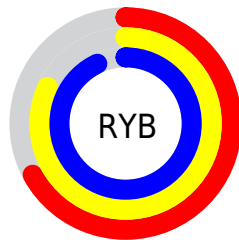
The XYZ color **59.8650, 74.3408, 78.2118** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6759, 50.8065, 54.8614**, and the grayscale version is **64.7420, 68.1137, 74.1758**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **30.5608, 39.5100, 41.1374** is the 20% darker color. If you saturate the color by 10%, you get **54.3240, 71.5827, 73.5968**, and if you desaturate by 10%, it is **66.3689, 77.5954, 83.0476**.

Distribution



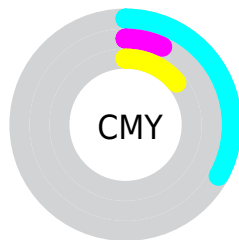
- Red (67%)
- Green (93%)
- Blue (86%)



- Red (67%)
- Yellow (82%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (33%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8650, 74.3408, 78.2118 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 59.8650, 74.3408, 78.2118 by changing the saturation by 10% instead.

■ 59.8650, 74.3408,
78.2118

■ 59.8650, 74.3408,
78.2118

413.9427,
475.6488, 508.4328

■ 43.5589, 55.0730,
57.7305

■ 103.7413,
125.3788, 132.6372

■ 30.5203, 39.4602,
41.1788

132.0421,
157.9178, 167.4185

■ 20.3839, 27.1179,
28.1380

165.0719,
195.6493, 207.8034

■ 12.7843, 17.6618,
18.1898

203.1960,
238.9578, 254.2106

■ 7.3561, 10.7075,
10.9155

246.7798,
288.2276, 307.0586

■ 3.7341, 5.8705,
5.8966


296.1886,

■ 1.5528, 2.7665,


343.8431, 366.7659


2.7145


351.7878,
406.1887, 433.7511


 0.3614, 1.0111,
0.9507


 0.0000, 0.0000,
0.0000


 59.8650, 74.3408,
78.2118


 59.8650, 74.3408,
78.2118

 54.3240, 71.5827,
73.5968


 66.3689, 77.5954,
83.0476


 49.6897, 69.2863,
69.1934

 73.8755, 81.3610,
88.1031

 45.9097, 67.4266,
64.9985

 82.4300, 85.6630,
93.3840

 42.9236, 65.9724,
61.0075

 87.9856, 88.4151,
98.7028

■ 40.6629, 64.8886,
57.2151

■ 88.9894, 88.8166,
103.9885

■ 39.0466, 64.1334,
53.6154

■ 89.5755, 89.0510,
107.0752

■ 37.9649, 63.6502,
50.2012

■ 37.7664, 63.5634,
49.4889

Harmonies

Analogous

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



61.6821, 74.3408, 63.6379



59.8650, 74.3408, 78.2118



60.8048, 74.3408, 95.6821

Triad

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



59.8650, 74.3408, 78.2118



75.6329, 74.3408, 114.3558



77.3956, 74.3408, 56.9294

Complementary

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



59.8650, 74.3408, 78.2118



58.6759, 50.8065, 54.8614

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.



81.5236, 74.3408, 67.8037



59.8650, 74.3408, 78.2118



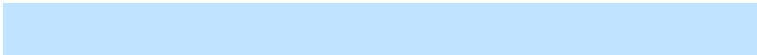
80.4665, 74.3408, 101.1347

Square

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



59.8650, 74.3408, 78.2118



69.6980, 74.3408, 118.1623



82.6776, 74.3408, 83.7401



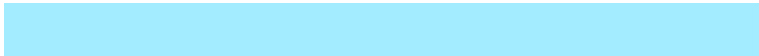
71.6282, 74.3408, 52.4987

Rectangle

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



59.8650, 74.3408, 78.2118



62.8975, 74.3408, 106.4597



82.6776, 74.3408, 83.7401



79.0335, 74.3408, 59.8713

Sweetspot

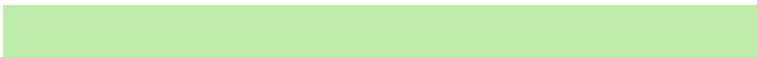
The Sweet Spot groups the original color and five complimentary colors.



59.8671, 74.3438, 78.2135



87.0560, 95.9809, 103.9170



58.7976, 74.4204, 49.7950



18.3310, 20.3919, 22.0461



0.0000, 0.0000, 0.0000



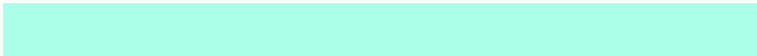
20.3446, 21.4041, 23.3091

Same Dimension

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



59.8671, 74.3438, 78.2135



67.0941, 85.9900, 89.4404



58.3906, 67.3903, 90.0544



15.3322, 17.0477, 18.4320



20.6761, 34.7249, 27.3231



1.6636, 2.7427, 2.3563

Inverse Universe

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



58.6759, 50.8065, 54.8614



65.4901, 54.2154, 57.9359



59.6900, 55.7706, 46.1482



15.2342, 15.1216, 16.5188



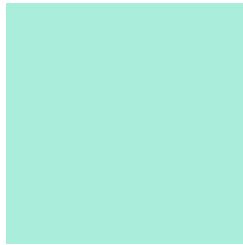
19.6303, 10.0548, 3.8545



1.5807, 0.8053, 0.5095

Previews

White Background



This preview shows how the XYZ color 59.8650, 74.3408, 78.2118 looks on a white background.

Color Contrast Check

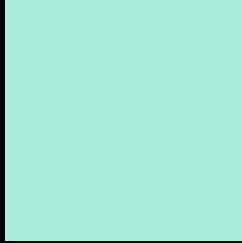
Large Text (above 18pt) WCAG AA × Fail

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 59.8650, 74.3408, 78.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

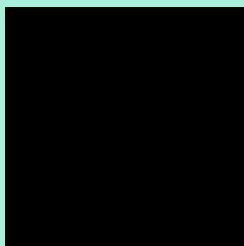
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

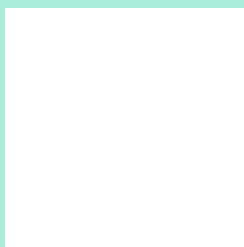
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.8650, 74.3408, 78.2118

Background



This preview shows how black text looks on a background with the XYZ color 59.8650, 74.3408, 78.2118.

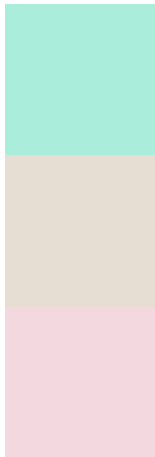


This preview shows how white text looks on a background with the XYZ color 59.8650, 74.3408,

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

59.8650, 74.3408, 78.2118

Protanopia

70.5123, 73.7687, 72.1504

Deuteranopia

75.1834, 73.6725, 80.0697



Tritanopia

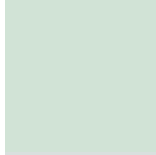
64.6293, 74.1432, 102.1715

Trichromacy



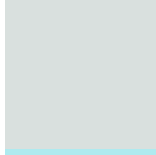
Original Color

59.8650, 74.3408, 78.2118



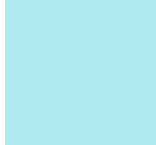
Protanomaly

65.9012, 73.3485, 74.3026



Deuteranomaly

68.4557, 73.3369, 79.6547



Tritanomaly

62.6820, 74.1916, 92.6781

Monochromacy



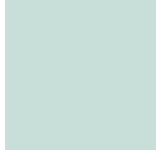
Original Color

59.8650, 74.3408, 78.2118



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

62.3355, 69.8753, 75.1676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8650, 74.3408, 78.2118 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(171, 237, 219)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 219)  
}
```

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(171, 237, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 219) }
```

Border

The CSS property to change the border of an element to XYZ 59.8650, 74.3408, 78.2118 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(171, 237, 219) }
```


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

```
.border{ border-color:rgb(171, 237, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 237, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 219);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8650, 74.3408, 78.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 219) }
```

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

```
.background{ background-color: rgb(171,  
237, 219) }
```

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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