

Converting Colors

XYZ(59.8390, 70.4684, 85.6802)

Have a look what the booklet for
XYZ(59.8390, 70.4684, 85.6802)
contains.

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Color

**XYZ(59.8464, 70.3703,
86.0299)**

Conversions

Conversions Part 1

Format	Color
Hex	AFE4E7
RGB	175, 228, 231
RGB Percent	69%, 89%, 91%
CMY	0.3137, 0.1059, 0.0941
CMYK	0.24, 0.01, 0.00, 0.09
HSL	183°, 54%, 80%
HSV	183°, 24%, 91%
XYZ	59.8464, 70.3703, 86.0299
YIQ	212.4950, -32.5510, -10.3030

Conversions

Conversions Part 2

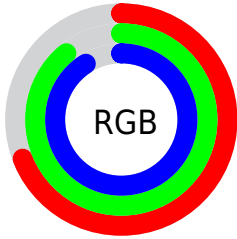
Format	Color
RYB	175, 202, 231
Decimal	11527399
CIELab	87.18, -16.18, -7.00
CIELCh	87, 17.632, 203.399
Yxy	70.3703, 0.2768, 0.3254
Android (android.graphics.Color)	4289717479 (0xFFAFE4E7)
YUV	212.4950, 9.1230, -32.8831
Hunter-Lab	83.8870, -19.4574, -2.0837

Details

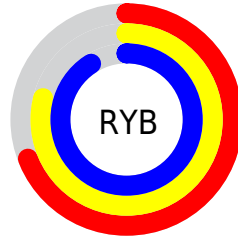
The XYZ color **59.8464, 70.3703, 86.0299** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6140, 51.9251, 47.5975**, and the grayscale version is **62.8670, 66.1410, 72.0276**.

A 20% lighter version of the original color is **87.0887, 95.8958, 108.5274**, and **30.3755, 36.6651, 46.0336** is the 20% darker color. If you saturate the color by 10%, you get **54.7604, 67.2470, 85.6963**, and if you desaturate by 10%, it is **65.8258, 73.9613, 86.4090**.

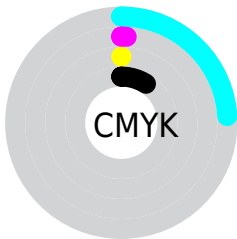
Distribution



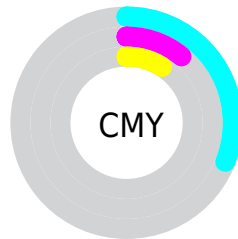
- Red (69%)
- Green (89%)
- Blue (91%)



- Red (69%)
- Yellow (79%)
- Blue (91%)



- Cyan (24%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8464, 70.3703, 86.0299 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 59.8464, 70.3703, 86.0299 by changing the saturation by 10% instead.

■ 59.8464, 70.3703,
86.0299

■ 59.8464, 70.3703,
86.0299

413.8752,
461.8491, 535.2630

■ 43.5438, 51.8285,
64.1377

■ 103.7144,
119.7367, 143.6981

■ 30.5084, 36.8684,
46.3153

132.0106,
151.3300, 180.3112

■ 20.3748, 25.1056,
32.1442

165.0354,
188.0427, 222.6683

■ 12.7776, 16.1557,
21.2060

203.1540,
230.2590, 271.1879

■ 7.3515, 9.6344,
13.0819

246.7320,
278.3634, 326.2887

■ 3.7312, 5.1573,
7.3536

296.1346,

■ 1.5512, 2.3398,

332.7403, 388.3891

3.6024

351.7272,
393.7741, 457.9077

■ 0.3603, 0.7947,
1.4099

■ 0.0000, 0.0000,
0.1494

■ 59.8464, 70.3703,
86.0299

■ 59.8464, 70.3703,
86.0299

■ 54.7604, 67.2470,
85.6963

■ 65.8258, 73.9613,
86.4090

■ 50.5165, 64.5597,
85.4012

■ 72.7345, 78.0332,
86.8309

■ 47.0677, 62.2859,
85.1441

■ 80.6136, 82.6090,
87.2988

■ 44.3598, 60.3975,
84.9224

■ 84.7887, 85.2790,
87.5941

■ 42.3318, 58.8633,
84.7331

■ 85.1399, 85.9813,
87.7112

■ 40.9131, 57.6468,
84.5731

■ 85.4935, 86.6885,
87.8290

■ 40.0175, 56.7034,
84.4382

■ 85.8495, 87.4006,
87.9477

■ 39.6613, 56.2441,
84.3683

■ 86.2080, 88.1176,
88.0672

■ 86.5690, 88.8396,
88.1876

Harmonies

Analogous

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



59.2896, 70.3703, 74.0321



59.8464, 70.3703, 86.0299



62.2530, 70.3703, 96.4055

Triad

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



59.8464, 70.3703, 86.0299



73.4767, 70.3703, 91.0238



67.8035, 70.3703, 56.1446

Complementary

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



59.8464, 70.3703, 86.0299



56.6140, 51.9251, 47.5975

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.



71.7410, 70.3703, 59.7478



59.8464, 70.3703, 86.0299



75.1025, 70.3703, 79.2702

Square

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



59.8464, 70.3703, 86.0299



70.0941, 70.3703, 99.4901



74.4546, 70.3703, 67.9250



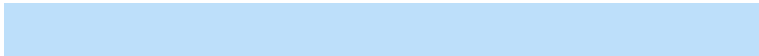
63.7751, 70.3703, 57.5564

Rectangle

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



59.8464, 70.3703, 86.0299



64.6377, 70.3703, 100.5939



74.4546, 70.3703, 67.9250



69.1835, 70.3703, 56.7962

Sweetspot

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



59.8485, 70.3732, 86.0315



88.4811, 96.1623, 108.5055



54.2722, 69.4734, 52.5649



18.8234, 20.5150, 23.2176



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.



59.8485, 70.3732, 86.0315



71.6281, 86.0705, 107.4458



52.8050, 56.2862, 83.6837



14.7379, 16.1972, 18.4939



22.2642, 31.5905, 47.3073



1.6656, 2.3751, 3.5026

Inverse Universe

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



62.2902, 53.2519, 80.3976



75.1933, 61.2958, 99.1698



62.7173, 64.1318, 49.6319



14.9600, 14.6012, 17.9900



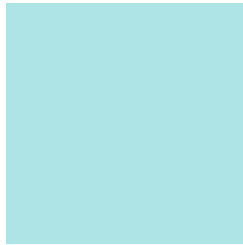
25.6315, 12.3868, 38.5498



1.9043, 0.9194, 2.9028

Previews

White Background



This preview shows how the XYZ color 59.8464, 70.3703, 86.0299 looks on a white background.

Color Contrast Check

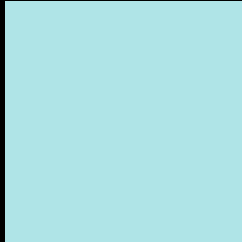
Large Text (above 18pt) WCAG AA × Fail

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 59.8464, 70.3703, 86.0299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

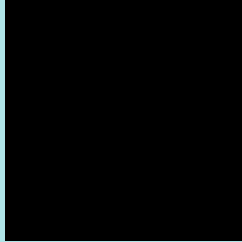
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.8464, 70.3703, 86.0299

Background



This preview shows how black text looks on a background with the XYZ color 59.8464, 70.3703, 86.0299.

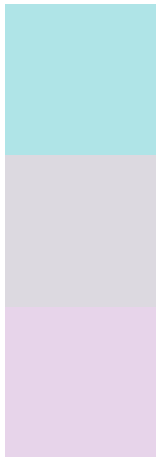


This preview shows how white text looks on a background with the XYZ color 59.8464, 70.3703,

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

59.8464, 70.3703, 86.0299

Protanopia

67.7826, 70.2232, 80.5029

Deuteranopia

71.3498, 70.0164, 87.5959



Tritanopia

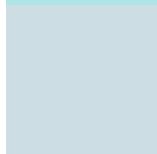
61.8856, 70.3893, 95.9127

Trichromacy



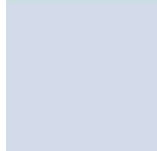
Original Color

59.8464, 70.3703, 86.0299



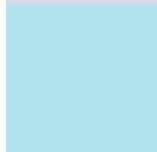
Protanomaly

64.6234, 70.0963, 82.7970



Deuteranomaly

66.6434, 69.8749, 87.0655



Tritanomaly

61.1805, 70.5173, 92.0480

Monochromacy



Original Color

59.8464, 70.3703, 86.0299



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

61.4108, 67.3994, 76.7905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8464, 70.3703, 86.0299 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(175, 228, 231)` looks like.

```
.text, #text, p{  
    color:rgb(175, 228, 231)  
}
```

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(175, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 228, 231) }
```

Border

The CSS property to change the border of an element to XYZ 59.8464, 70.3703, 86.0299 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(175, 228, 231) }
```


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

```
.border{ border-color:rgb(175, 228, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(175, 228,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8464, 70.3703, 86.0299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 228, 231) }
```

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

```
.background{ background-color: rgb(175,  
228, 231) }
```

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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