

# Converting Colors

XYZ(59.9068, 68.8744, 82.0696)

Have a look what the booklet for  
XYZ(59.9068, 68.8744, 82.0696)  
contains.

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# Color

**XYZ(59.9116, 68.8696,  
82.0870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E0E2
RGB	183, 224, 226
RGB Percent	72%, 88%, 89%
CMY	0.2823, 0.1216, 0.1137
CMYK	0.19, 0.01, 0.00, 0.11
HSL	183°, 43%, 80%
HSV	183°, 19%, 89%
XYZ	59.9116, 68.8696, 82.0870
YIQ	211.9690, -25.0780, -8.0700

# Conversions

## Conversions Part 2

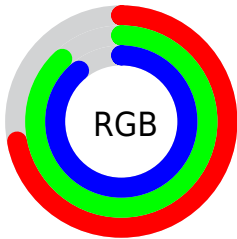
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 204, 226
Decimal	12050658
CIELab	86.44, -12.84, -5.41
CIELCh	86, 13.934, 202.832
Yxy	68.8696, 0.2841, 0.3266
Android (android.graphics.Color)	4290240738 (0xFFB7E0E2)
YUV	211.9690, 6.9173, -25.4058
Hunter-Lab	82.9877, -16.3634, -0.5551

# Details

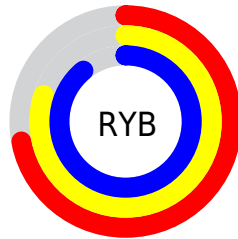
The XYZ color **59.9116, 68.8696, 82.0870** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.2609, 54.2857, 52.2613**, and the grayscale version is **62.5278, 65.7841, 71.6389**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **30.5919, 35.9833, 43.8612** is the 20% darker color. If you saturate the color by 10%, you get **54.6811, 65.7575, 81.7631**, and if you desaturate by 10%, it is **66.0110, 72.4358, 82.4550**.

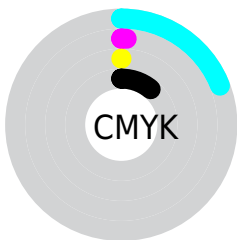
# Distribution



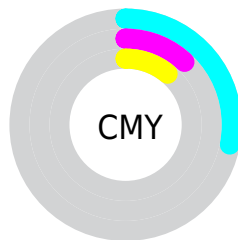
- Red (72%)
- Green (88%)
- Blue (89%)



- Red (72%)
- Yellow (80%)
- Blue (89%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)



- Cyan (28%)
- Magenta (12%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9116, 68.8696, 82.0870 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 59.9116, 68.8696, 82.0870 by changing the saturation by 10% instead.



■ 59.9116, 68.8696,  
82.0870

■ 59.9116, 68.8696,  
82.0870

414.1118,  
456.5709, 521.8297

■ 43.5966, 50.6055,  
60.9010

■ 103.8085,  
117.5953, 138.1338

■ 30.5500, 35.8948,  
43.7153

132.1211,  
148.8257, 173.8316

■ 20.4066, 24.3529,  
30.1112

165.1636,  
185.1470, 215.2039

■ 12.8009, 15.5956,  
19.6702

203.3013,  
226.9436, 262.6691

■ 7.3677, 9.2385,  
11.9739

246.8996,  
274.5999, 316.6457

■ 3.7414, 4.8971,  
6.6036

296.3239,

■ 1.5569, 2.1870,

328.5003, 377.5523

3.1408

351.9395,  
389.0292, 445.8075

■ 0.3641, 0.7129,  
1.1670

■ 0.0000, 0.0000,  
0.0000

■ 59.9116, 68.8696,  
82.0870

■ 59.9116, 68.8696,  
82.0870

■ 54.6811, 65.7575,  
81.7631

■ 66.0110, 72.4358,  
82.4550

■ 50.2724, 63.0698,  
81.4767

■ 73.0116, 76.4674,  
82.8642

■ 46.6429, 60.7864,  
81.2272

■ 80.9515, 80.9859,  
83.3179

■ 43.7440, 58.8822,  
81.0125

■ 82.7670, 82.3496,  
83.4854

■ 41.5216, 57.3293,  
80.8299

■ 83.0569, 82.9296,  
83.5821

■ 39.9140, 56.0959,  
80.6765

■ 83.3487, 83.5131,  
83.6793

■ 38.8483, 55.1444,  
80.5491

■ 83.6422, 84.1001,  
83.7771

■ 38.2107, 54.4162,  
80.4421

■ 83.9374, 84.6906,  
83.8756

■ 38.1570, 54.3498,  
80.4321

■ 84.2345, 85.2846,  
83.9746

# Harmonies

## Analogous

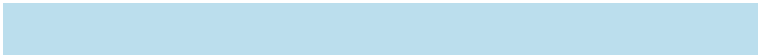
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.5005, 68.8696, 72.7946



59.9116, 68.8696, 82.0870



61.7855, 68.8696, 90.0376

# Triad

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



59.9116, 68.8696, 82.0870



70.5219, 68.8696, 86.2286



66.2347, 68.8696, 58.7207

# Complementary

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



59.9116, 68.8696, 82.0870



57.2609, 54.2857, 52.2613

# 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.



69.2742, 68.8696, 61.7152



59.9116, 68.8696, 82.0870



71.8015, 68.8696, 77.2236

# Square

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



59.9116, 68.8696, 82.0870



67.8927, 68.8696, 92.5624



71.3376, 68.8696, 68.3092



63.0832, 68.8696, 59.7908



# Rectangle

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



59.9116, 68.8696, 82.0870



63.6463, 68.8696, 93.2544



71.3376, 68.8696, 68.3092



67.3047, 68.8696, 59.2764

# Sweetspot

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



59.9136, 68.8724, 82.0886



89.4171, 96.7603, 108.5716



55.4233, 67.9401, 55.7799



19.0134, 20.6381, 23.2314



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.



59.9136, 68.8724, 82.0886



75.8033, 88.7971, 107.7520



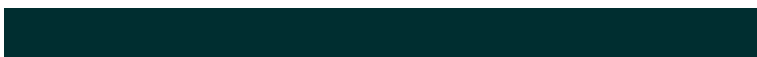
54.6289, 58.3030, 80.3270



14.0592, 15.4575, 17.6303



21.7933, 31.0561, 45.8942



1.5277, 2.1868, 3.1868



# Inverse Universe

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



61.7537, 55.4191, 77.9664



78.6735, 67.9437, 101.2930



61.9678, 63.6995, 53.8303



14.2661, 13.9241, 17.1714



24.9404, 12.0432, 37.9477

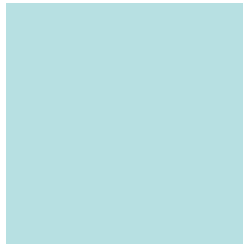


1.7373, 0.8382, 2.6757



# Previews

## White Background



This preview shows how the XYZ color 59.9116, 68.8696, 82.0870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

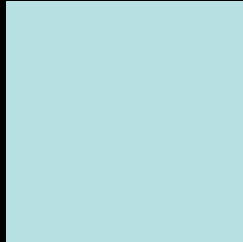
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9116, 68.8696, 82.0870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

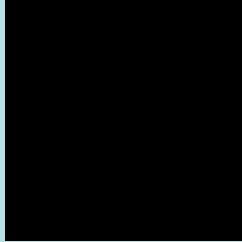
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.9116, 68.8696, 82.0870

## Background



This preview shows how black text looks on a background with the XYZ color 59.9116, 68.8696, 82.0870.



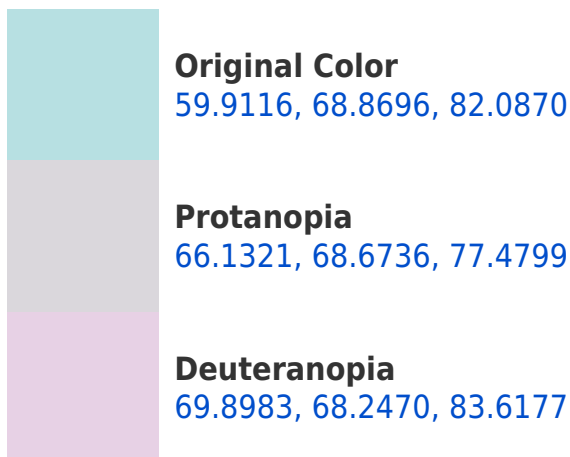
This preview shows how white text looks on a background with the XYZ color 59.9116, 68.8696,



# 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

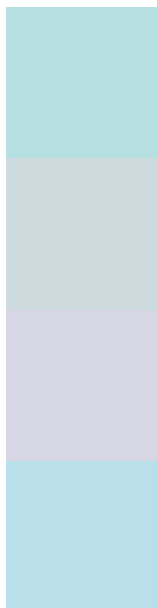




## Tritanopia

62.0992, 68.9729, 92.4782

# Trichromacy



## Original Color

59.9116, 68.8696, 82.0870

## Protanomaly

63.4331, 68.3959, 78.9657

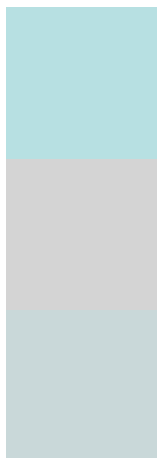
## Deuteranomaly

65.7817, 67.9907, 83.0552

## Tritanomaly

61.3907, 69.0878, 88.6969

# Monochromacy



## Original Color

59.9116, 68.8696, 82.0870

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.1676, 66.5390, 75.2651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9116, 68.8696, 82.0870 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, 224, 226) looks like.

```
.text, #text, p{  
    color:rgb(183, 224, 226)  
}
```

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, 224, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 224, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9116, 68.8696, 82.0870 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, 224, 226) }
```



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

```
.border{ border-color:rgb(183, 224, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 224, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 224, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 224, 226);  
box-shadow:4px 4px 4px 4px rgb(183, 224,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9116, 68.8696, 82.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 224, 226) }
```

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

```
.background{ background-color: rgb(183,  
224, 226) }
```

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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