

Converting Colors

XYZ(59.2346, 70.8609, 64.8267)

Have a look what the booklet for
XYZ(59.2346, 70.8609, 64.8267)
contains.

XYZ(59.3144, 70.9810, 64.6073)	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(59.3144, 70.9810,
64.6073)**

Conversions

Conversions Part 1

Format	Color
Hex	BDE5C7
RGB	189, 229, 199
RGB Percent	74%, 90%, 78%
CMY	0.2588, 0.1019, 0.2196
CMYK	0.17, 0.00, 0.13, 0.10
HSL	135°, 43%, 82%
HSV	135°, 17%, 90%
XYZ	59.3144, 70.9810, 64.6073
YIQ	213.6200, -14.2100, -17.8100

Conversions

Conversions Part 2

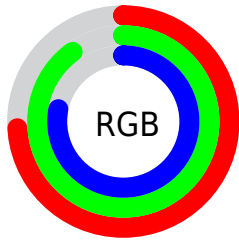
Format	Color
RYB	189, 221, 229
Decimal	12445127
CIELab	87.48, -18.74, 10.34
CIELCh	87, 21.404, 151.100
Yxy	70.9810, 0.3043, 0.3642
Android (android.graphics.Color)	4290635207 (0xFFBDE5C7)
YUV	213.6200, -7.2077, -21.5917
Hunter-Lab	84.2502, -21.7691, 13.5086

Details

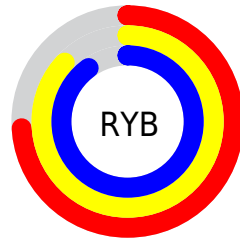
The XYZ color **59.3144, 70.9810, 64.6073** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2994, 58.1694, 74.9127**, and the grayscale version is **63.7165, 67.0347, 73.0008**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **30.0461, 37.0824, 32.3621** is the 20% darker color. If you saturate the color by 10%, you get **52.1933, 67.5295, 54.4454**, and if you desaturate by 10%, it is **67.5615, 74.9909, 75.9999**.

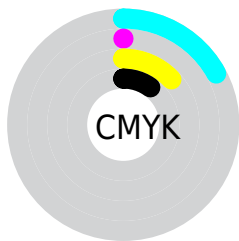
Distribution



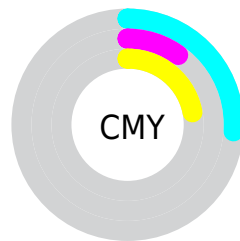
- Red (74%)
- Green (90%)
- Blue (78%)



- Red (74%)
- Yellow (87%)
- Blue (90%)



- Cyan (17%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)



- Cyan (26%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3144, 70.9810, 64.6073 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 59.3144, 70.9810, 64.6073 by changing the saturation by 10% instead.


 59.3144, 70.9810,
64.6073

 59.3144, 70.9810,
64.6073


411.9414,
463.9870, 459.6470

 43.1136, 52.3267,
46.6934


 102.9465,
120.6067, 113.0930

 30.1692, 37.2655,
32.4407


131.1085,
152.3468, 144.5018

 20.1157, 25.4132,
21.4308


163.9883,
189.2177, 181.2460

 12.5880, 16.3851,
13.2449

201.9512,
231.6037, 223.7442

 7.2205, 9.7971,
7.4647

245.3626,
279.8893, 272.4148

 3.6479, 5.2646,
3.6716


294.5879,


 1.5049, 2.4034,


334.4587, 327.6765


1.4470


349.9924,
395.6965, 389.9477


 0.3292, 0.8276,
0.1779


 0.0000, 0.0000,
0.0000

 59.3144, 70.9810,
64.6073


 59.3144, 70.9810,
64.6073


 52.1933, 67.5295,
54.4454


 67.5615, 74.9909,
75.9999


 46.1429, 64.6028,
45.4682

 76.9750, 79.5734,
88.6578

 41.1119, 62.1775,
37.6340

 86.5991, 84.2367,
102.5730

 37.0425, 60.2245,
30.8965

 87.3107, 84.5214,
106.3202

■ 33.8709, 58.7121,
25.2065

■ 31.5252, 57.6044,
20.5108

■ 29.9219, 56.8594,
16.7515

■ 28.9517, 56.4222,
13.8641

■ 28.7654, 56.3393,
13.2618

Harmonies

Analogous

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



62.5717, 70.9810, 55.8308



59.3144, 70.9810, 64.6073



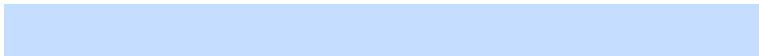
58.2128, 70.9810, 77.8214

Triad

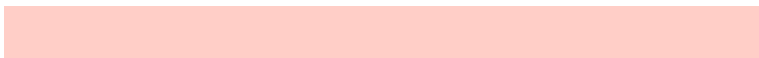
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.3144, 70.9810, 64.6073



67.6519, 70.9810, 108.5670



76.1285, 70.9810, 63.7901

Complementary

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



59.3144, 70.9810, 64.6073



63.2994, 58.1694, 74.9127

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.



77.6496, 70.9810, 76.7536



59.3144, 70.9810, 64.6073



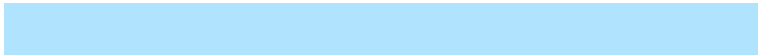
72.6076, 70.9810, 103.6353

Square

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



59.3144, 70.9810, 64.6073



62.8793, 70.9810, 104.2859



76.3307, 70.9810, 91.5241



72.2690, 70.9810, 55.4021

Rectangle

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



59.3144, 70.9810, 64.6073



58.8034, 70.9810, 87.7388



76.3307, 70.9810, 91.5241



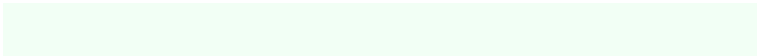
76.9386, 70.9810, 67.6987

Sweetspot

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



59.3163, 70.9840, 64.6089



89.0121, 97.0608, 100.7798



66.6218, 74.8799, 59.0869



18.8772, 20.6898, 21.3339



0.0000, 0.0000, 0.0000



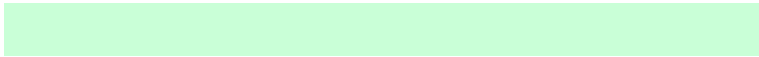
20.3446, 21.4041, 23.3091

Same Dimension

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



59.3163, 70.9840, 64.6089



72.2133, 88.8979, 77.5329



61.7064, 71.9400, 77.1949



14.3364, 16.1480, 16.0361



16.4865, 32.2267, 7.7961



1.2549, 2.3961, 0.7687

Inverse Universe

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



63.2994, 58.1694, 74.9127



78.2007, 69.6310, 93.0188



60.8993, 57.2094, 62.2738



14.8331, 14.5504, 17.3214



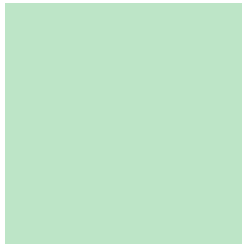
22.7696, 11.2421, 23.4795



1.7192, 0.8454, 1.9276

Previews

White Background



This preview shows how the XYZ color 59.3144, 70.9810, 64.6073 looks on a white background.

Color Contrast Check

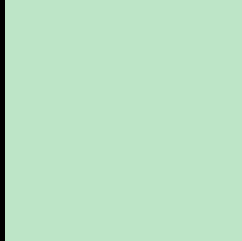
Large Text (above 18pt) WCAG AA × Fail

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 59.3144, 70.9810, 64.6073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

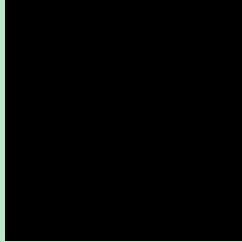
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

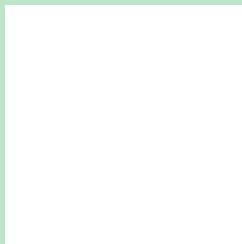
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.3144, 70.9810, 64.6073

Background



This preview shows how black text looks on a background with the XYZ color 59.3144, 70.9810, 64.6073.

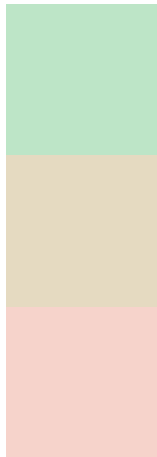


This preview shows how white text looks on a background with the XYZ color 59.3144, 70.9810,

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

59.3144, 70.9810, 64.6073

Protanopia

67.0101, 70.6511, 60.5573

Deuteranopia

72.0798, 70.4932, 66.3074



Tritanopia

65.0298, 70.8620, 93.4694

Trichromacy



Original Color

59.3144, 70.9810, 64.6073

Protanomaly

63.7032, 70.4788, 61.8760

Deuteranomaly

66.7834, 70.4146, 65.9486

Tritanomaly

62.6450, 70.6789, 82.2921

Monochromacy



Original Color

59.3144, 70.9810, 64.6073

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

62.0170, 68.2456, 70.2257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3144, 70.9810, 64.6073 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(189, 229, 199)` looks like.

```
.text, #text, p{  
    color:rgb(189, 229, 199)  
}
```

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(189, 229, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 229, 199) }
```

Border

The CSS property to change the border of an element to XYZ 59.3144, 70.9810, 64.6073 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(189, 229, 199) }
```


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

```
.border{ border-color:rgb(189, 229, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 229, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 229, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 229, 199);  
box-shadow:4px 4px 4px 4px rgb(189, 229,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3144, 70.9810, 64.6073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 229, 199) }
```

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

```
.background{ background-color: rgb(189,  
229, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor