

Converting Colors

XYZ(63.1293, 83.6637, 59.2499)

Have a look what the booklet for
XYZ(63.1293, 83.6637, 59.2499)
contains.

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Color

**XYZ(63.0443, 83.6195,
59.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FDBA
RGB	181, 253, 186
RGB Percent	71%, 99%, 73%
CMY	0.2902, 0.0078, 0.2706
CMYK	0.28, 0.00, 0.26, 0.01
HSL	124°, 95%, 85%
HSV	124°, 28%, 99%
XYZ	63.0443, 83.6195, 59.2718
YIQ	223.8340, -21.4050, -36.1010

Conversions

Conversions Part 2

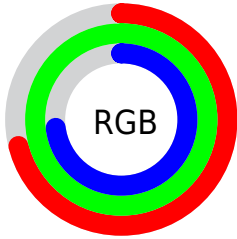
Format	Color
RYB	181, 248, 253
Decimal	11926970
CIELab	93.28, -35.00, 25.12
CIELCh	93, 43.084, 144.335
Yxy	83.6195, 0.3061, 0.4060
Android (android.graphics.Color)	4290117050 (0xFFB5FDBA)
YUV	223.8340, -18.6522, -37.5654
Hunter-Lab	91.4437, -36.9627, 25.5801

Details

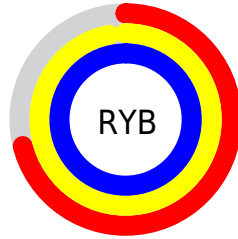
The XYZ color **63.0443, 83.6195, 59.2718** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.9780, 60.7095, 96.6295**, and the grayscale version is **70.8748, 74.5658, 81.2021**.

A 20% lighter version of the original color is **87.0469, 96.1079, 97.9672**, and **32.5778, 45.6089, 29.2767** is the 20% darker color. If you saturate the color by 10%, you get **55.3419, 79.9169, 46.9054**, and if you desaturate by 10%, it is **72.2408, 88.0494, 73.8642**.

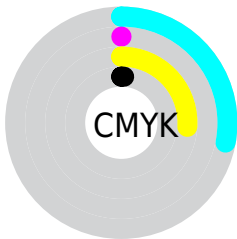
Distribution



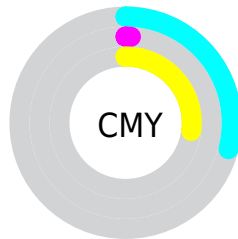
- Red (71%)
- Green (99%)
- Blue (73%)



- Red (71%)
- Yellow (97%)
- Blue (99%)



- Cyan (28%)
- Magenta (0%)
- Yellow (26%)
- Black (1%)





- Cyan (29%)
- Magenta (1%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0443, 83.6195, 59.2718 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 63.0443, 83.6195, 59.2718 by changing the saturation by 10% instead.


 63.0443, 83.6195,
59.2718

 63.0443, 83.6195,
59.2718


425.3874,
507.0488, 439.6383

 46.1358, 62.7013,
42.4105


 108.3149,
138.4428, 105.3056

 32.5581, 45.5996,
29.0949


137.4077,
173.1167, 135.3152

 21.9457, 31.9300,
18.9064

171.2927,
213.1447, 170.5446

 13.9334, 21.3080,
11.4266

210.3351,
258.9110, 211.4124

 8.1558, 13.3494,
6.2367

254.9005,
310.8003, 258.3372

 4.2474, 7.6696,
2.9185

305.3541,

 1.8430, 3.8842,

369.1967, 311.7374

1.0531

362.0613,
434.4848, 372.0316

■ 0.5434, 1.6090,
0.0000

■ 0.0000, 0.3637,
0.0000

■ 63.0443, 83.6195,
59.2718

■ 63.0443, 83.6195,
59.2718

■ 55.3419, 79.9169,
46.9054

■ 72.2408, 88.0494,
73.8642

■ 49.0484, 76.8930,
36.6505

■ 82.9974, 93.2315,
90.7785

■ 44.0803, 74.5095,
28.3908

■ 94.4169, 98.7338,
108.6890

■ 40.3426, 72.7203,
21.9962

■ 37.7273, 71.4728,
17.3219

■ 36.1079, 70.7054,
14.2011

■ 35.3129, 70.3339,
12.4338

■ 35.2326, 70.2961,
12.2656

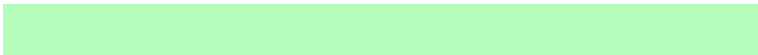
Harmonies

Analogous

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



70.8259, 83.6195, 45.1734



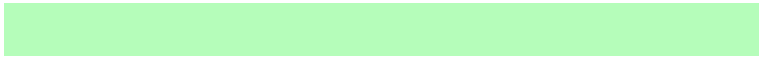
63.0443, 83.6195, 59.2718



59.6918, 83.6195, 85.0203

Triad

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



63.0443, 83.6195, 59.2718



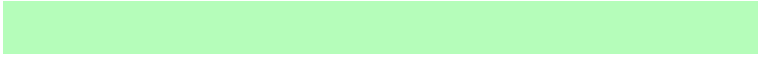
77.3445, 83.6195, 168.4125



101.0499, 83.6195, 67.6601

Complementary

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



63.0443, 83.6195, 59.2718



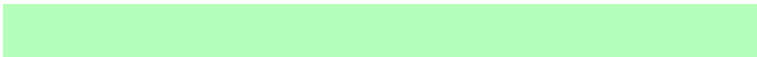
73.9780, 60.7095, 96.6295

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.



103.2141, 83.6195, 97.3528



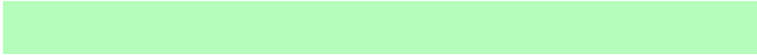
63.0443, 83.6195, 59.2718



88.8071, 83.6195, 160.6335

Square

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



63.0443, 83.6195, 59.2718



67.4289, 83.6195, 151.7988



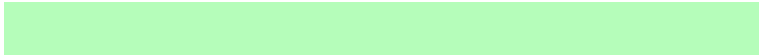
98.5444, 83.6195, 132.5324



92.8828, 83.6195, 49.1485

Rectangle

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



63.0443, 83.6195, 59.2718



60.1661, 83.6195, 107.4028



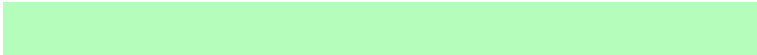
98.5444, 83.6195, 132.5324



102.5342, 83.6195, 76.4429

Sweetspot

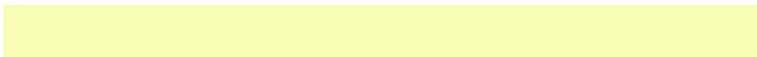
The Sweet Spot groups the original color and five complimentary colors.



63.0465, 83.6230, 59.2737



83.8551, 94.6042, 91.4148



82.2517, 93.5840, 57.4453



17.5883, 20.0757, 19.0019



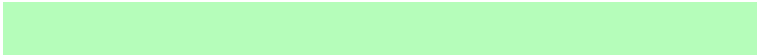
0.0000, 0.0000, 0.0000



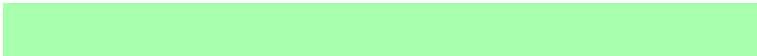
20.3446, 21.4041, 23.3091

Same Dimension

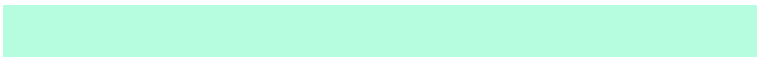
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.0465, 83.6230, 59.2737



59.6438, 82.9463, 53.0757



67.3418, 85.3412, 81.8925



17.8227, 20.1886, 19.3695



18.7599, 37.4005, 6.6207



1.8436, 3.6484, 0.7342

Inverse Universe

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



73.9780, 60.7095, 96.6295



72.3936, 56.2144, 96.6398



68.9434, 58.6957, 70.1174



18.7350, 18.2773, 22.4876



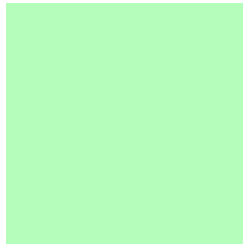
29.5814, 14.3218, 43.3074



2.8959, 1.4007, 4.2994

Previews

White Background



This preview shows how the XYZ color 63.0443, 83.6195, 59.2718 looks on a white background.

Color Contrast Check

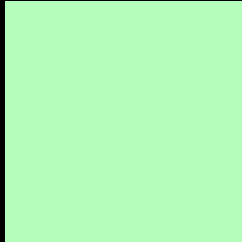
Large Text (above 18pt) WCAG AA × Fail

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 63.0443, 83.6195, 59.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

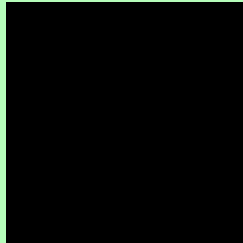
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

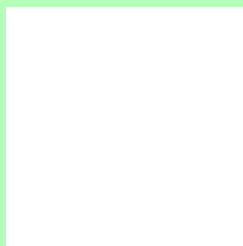
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.0443, 83.6195, 59.2718

Background



This preview shows how black text looks on a background with the XYZ color 63.0443, 83.6195, 59.2718.



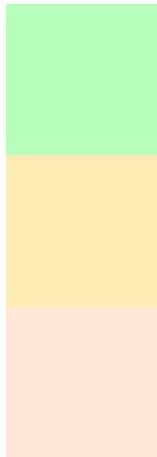
This preview shows how white text looks on a background with the XYZ color 63.0443, 83.6195,

59.2718.

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

63.0443, 83.6195, 59.2718

Protanopia

77.2424, 82.5692, 53.9858

Deuteranopia

81.6744, 82.7087, 75.2780



Tritanopia

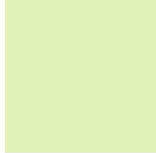
75.2374, 83.3960, 106.7393

Trichromacy



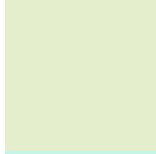
Original Color

63.0443, 83.6195, 59.2718



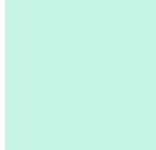
Protanomaly

71.1598, 82.4155, 55.8733



Deuteranomaly

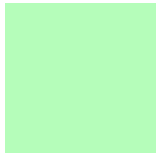
73.4685, 82.0027, 69.0826



Tritanomaly

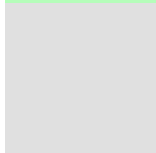
70.2240, 83.0238, 87.1869

Monochromacy



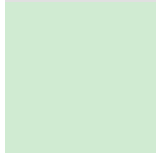
Original Color

63.0443, 83.6195, 59.2718



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.3536, 77.4797, 72.3779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0443, 83.6195, 59.2718 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(181, 253, 186)` looks like.

```
.text, #text, p{  
    color:rgb(181, 253, 186)  
}
```

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(181, 253, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 253, 186) }
```

Border

The CSS property to change the border of an element to XYZ 63.0443, 83.6195, 59.2718 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(181, 253, 186) }
```


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

```
.border{ border-color:rgb(181, 253, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 253, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 253, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 253, 186); box-shadow:4px 4px 4px 4px rgb(181, 253, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0443, 83.6195, 59.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 253, 186) }
```

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

```
.background{ background-color: rgb(181,  
253, 186) }
```

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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