

Converting Colors

XYZ(63.8211, 84.9579, 59.6844)

Have a look what the booklet for
XYZ(63.8211, 84.9579, 59.6844)
contains.

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Color

**XYZ(63.6790, 84.8889,
59.4833)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FFBA
RGB	181, 255, 186
RGB Percent	71%, 100%, 73%
CMY	0.2902, 0.0000, 0.2706
CMYK	0.29, 0.00, 0.27, 0.00
HSL	124°, 100%, 85%
HSV	124°, 29%, 100%
XYZ	63.6790, 84.8889, 59.4833
YIQ	225.0080, -21.9550, -37.1470

Conversions

Conversions Part 2

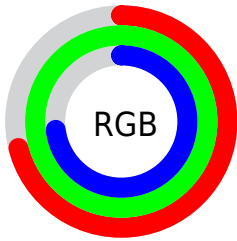
Format	Color
RYB	181, 250, 255
Decimal	11927482
CIELab	93.84, -35.92, 25.87
CIELCh	94, 44.266, 144.231
Yxy	84.8889, 0.3061, 0.4080
Android (android.graphics.Color)	4290117562 (0xFFB5FFBA)
YUV	225.0080, -19.2309, -38.5950
Hunter-Lab	92.1352, -37.8667, 26.2165

Details

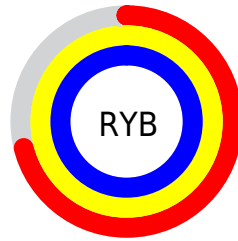
The XYZ color **63.6790, 84.8889, 59.4833** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **75.0194, 61.2105, 98.3027**, and the grayscale version is **71.7187, 75.4536, 82.1690**.

A 20% lighter version of the original color is **87.0469, 96.1079, 97.9672**, and **32.9631, 46.4897, 29.0659** is the 20% darker color. If you saturate the color by 10%, you get **55.9157, 81.1550, 47.0050**, and if you desaturate by 10%, it is **72.9584, 89.3558, 74.2306**.

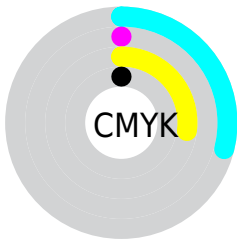
Distribution



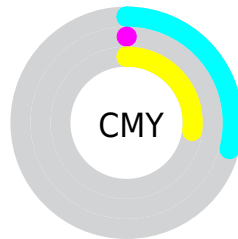
- Red (71%)
- Green (100%)
- Blue (73%)



- Red (71%)
- Yellow (98%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6790, 84.8889, 59.4833 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 63.6790, 84.8889, 59.4833 by changing the saturation by 10% instead.


 63.6790, 84.8889,
59.4833

 63.6790, 84.8889,
59.4833


427.6501,
511.2604, 440.4423

 46.6514, 63.7496,
42.5797


 109.2248,
140.2179, 105.6158

 32.9670, 46.4479,
29.2265


138.4738,
175.1765, 135.6818

 22.2603, 32.5994,
19.0052


172.5273,
215.5102, 170.9723

 14.1659, 21.8197,
11.4972

211.7507,
261.6035, 211.9060

 8.3186, 13.7245,
6.2839

256.5093,
313.8407, 258.9012

 4.3530, 7.9293,
2.9469

307.1685,

 1.9037, 4.0497,

372.6064, 312.3767

1.0676

364.0937,
438.2848, 372.7508

■ 0.5790, 1.7014,
0.0000

■ 0.0000, 0.4246,
0.0000

■ 63.6790, 84.8889,
59.4833

■ 63.6790, 84.8889,
59.4833

■ 55.9157, 81.1550,
47.0050

■ 72.9584, 89.3558,
74.2306

■ 49.5862, 78.1140,
36.6795

■ 83.8267, 94.5911,
91.3475

■ 44.6030, 75.7234,
28.3862

95.0500, 100.0000,
108.9000

■ 40.8684, 73.9359,
21.9909

■ 38.2714, 72.6972,
17.3437

■ 36.6813, 71.9438,
14.2718

■ 35.9137, 71.5851,
12.5662

■ 35.8630, 71.5612,
12.4624

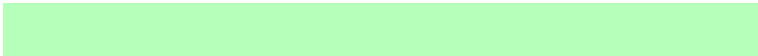
Harmonies

Analogous

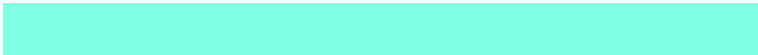
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7478, 84.8889, 45.0268



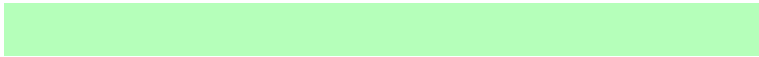
63.6790, 84.8889, 59.4833



60.1966, 84.8889, 86.0657

Triad

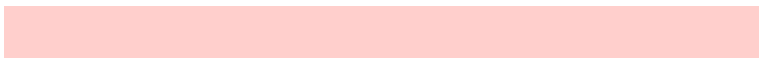
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.6790, 84.8889, 59.4833



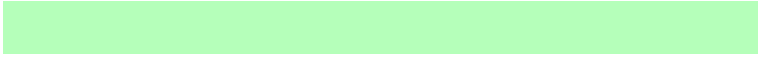
78.4305, 84.8889, 173.0790



103.1324, 84.8889, 68.2985

Complementary

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



63.6790, 84.8889, 59.4833



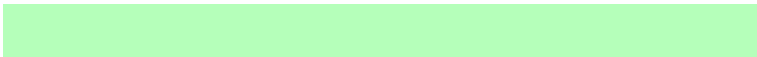
75.0194, 61.2105, 98.3027

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.



105.3617, 84.8889, 99.0997



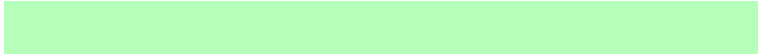
63.6790, 84.8889, 59.4833



90.3338, 84.8889, 165.0307

Square

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



63.6790, 84.8889, 59.4833



68.1651, 84.8889, 155.6256



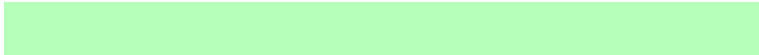
100.4759, 84.8889, 135.7293



94.6497, 84.8889, 49.1825

Rectangle

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



63.6790, 84.8889, 59.4833



60.6748, 84.8889, 109.2963



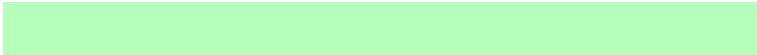
100.4759, 84.8889, 135.7293



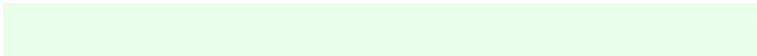
104.6704, 84.8889, 77.3940

Sweetspot

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



63.6796, 84.8892, 59.4846



83.8489, 94.6018, 91.3823



83.5489, 95.1926, 57.6874



17.5868, 20.0751, 18.9940



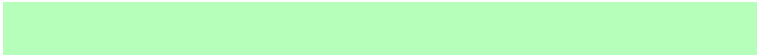
0.0000, 0.0000, 0.0000



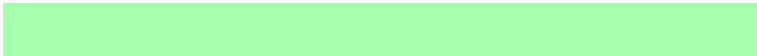
20.3446, 21.4041, 23.3091

Same Dimension

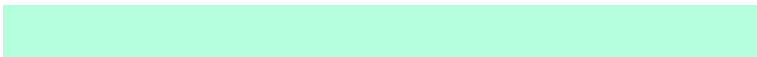
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.6796, 84.8892, 59.4846



58.8589, 82.5702, 51.7552



68.1268, 86.6681, 82.9033



17.8213, 20.1881, 19.3622



18.7575, 37.3996, 6.6084



1.8429, 3.6481, 0.7307

Inverse Universe

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



75.0194, 61.2105, 98.3027



71.9248, 55.2792, 96.4759



69.7830, 59.1159, 70.7283



18.7366, 18.2779, 22.4958



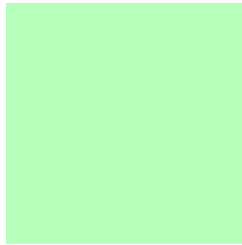
29.6174, 14.3363, 43.4972



2.8991, 1.4020, 4.3158

Previews

White Background



This preview shows how the XYZ color 63.6790, 84.8889, 59.4833 looks on a white background.

Color Contrast Check

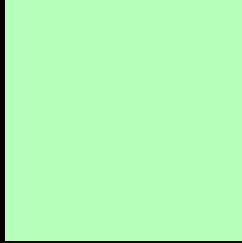
Large Text (above 18pt) WCAG AA × Fail

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 63.6790, 84.8889, 59.4833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

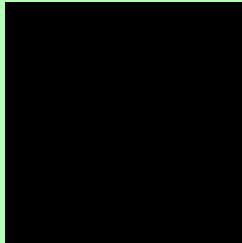
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6790, 84.8889, 59.4833

Background



This preview shows how black text looks on a background with the XYZ color 63.6790, 84.8889, 59.4833.

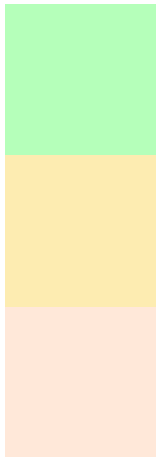


This preview shows how white text looks on a background with the XYZ color 63.6790, 84.8889,

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

63.6790, 84.8889, 59.4833

Protanopia

78.4393, 84.0479, 53.6836

Deuteranopia

82.6210, 83.9830, 77.5014



Tritanopia

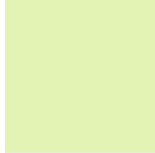
76.6661, 84.5731, 106.8913

Trichromacy



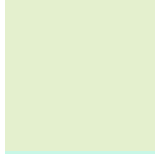
Original Color

63.6790, 84.8889, 59.4833



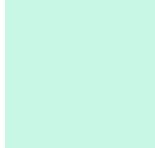
Protanomaly

71.9674, 83.7274, 55.5479



Deuteranomaly

74.2956, 83.2704, 70.5495



Tritanomaly

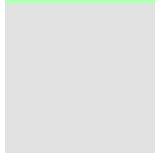
71.3631, 84.5141, 87.4145

Monochromacy



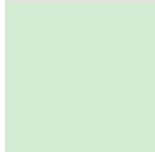
Original Color

63.6790, 84.8889, 59.4833



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.0478, 78.2494, 73.1452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6790, 84.8889, 59.4833 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, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 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, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 63.6790, 84.8889, 59.4833 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, 255, 186) }
```


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

```
.border{ border-color:rgb(181, 255, 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, 255, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6790, 84.8889, 59.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 186) }
```

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

```
.background{ background-color: rgb(181,  
255, 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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