

Converting Colors

XYZ(71.2912, 99.7579, 63.9449)

Have a look what the booklet for
XYZ(71.2912, 99.7579, 63.9449)
contains.

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Color

**XYZ(63.8767, 84.9410,
61.7438)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFBE
RGB	180, 255, 190
RGB Percent	71%, 100%, 75%
CMY	0.2941, 0.0000, 0.2549
CMYK	0.29, 0.00, 0.25, 0.00
HSL	128°, 100%, 85%
HSV	128°, 29%, 100%
XYZ	63.8767, 84.9410, 61.7438
YIQ	225.1650, -23.8350, -36.1150

Conversions

Conversions Part 2

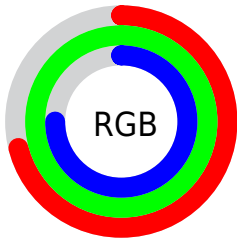
Format	Color
RYB	180, 246, 255
Decimal	11861950
CIELab	93.86, -35.56, 23.87
CIELCh	94, 42.828, 146.131
Yxy	84.9410, 0.3034, 0.4034
Android (android.graphics.Color)	4290052030 (0xFFB4FFBE)
YUV	225.1650, -17.3363, -39.6097
Hunter-Lab	92.1634, -37.5711, 24.7938

Details

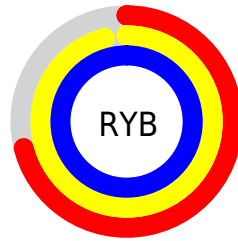
The XYZ color **63.8767, 84.9410, 61.7438** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **74.0429, 60.4957, 94.1601**, and the grayscale version is **71.8195, 75.5597, 82.2845**.

A 20% lighter version of the original color is **87.4736, 96.2399, 101.9615**, and **33.0955, 46.5257, 30.5286** is the 20% darker color. If you saturate the color by 10%, you get **56.2409, 81.2629, 49.7193**, and if you desaturate by 10%, it is **72.9720, 89.3292, 75.7511**.

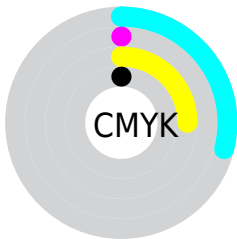
Distribution



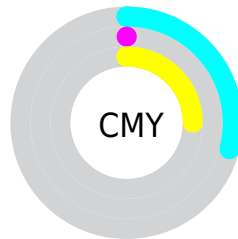
- Red (71%)
- Green (100%)
- Blue (75%)



- Red (71%)
- Yellow (96%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8767, 84.9410, 61.7438 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 63.8767, 84.9410, 61.7438 by changing the saturation by 10% instead.


 63.8767, 84.9410,
61.7438

 63.8767, 84.9410,
61.7438


428.3535,
511.4328, 448.9778

 46.8121, 63.7926,
44.3913

 109.5081,
140.2907, 108.9232

 33.0945, 46.4827,
30.6388


138.8056,
175.2609, 139.5871

 22.3584, 32.6269,
20.0678


172.9114,
215.6071, 175.5252

 14.2386, 21.8408,
12.2598

212.1910,
261.7138, 217.1561

 8.3696, 13.7400,
6.7962

257.0097,
313.9653, 264.8982

 4.3861, 7.9400,
3.2584

307.7327,

 1.9228, 4.0566,

372.7460, 319.1702

1.2281

364.7256,
438.4404, 380.3905

■ 0.5900, 1.7053,
0.0017

■ 0.0000, 0.4271,
0.0000

■ 63.8767, 84.9410,
61.7438

■ 63.8767, 84.9410,
61.7438

■ 56.2409, 81.2629,
49.7193

■ 72.9720, 89.3292,
75.7511

■ 49.9865, 78.2565,
39.5842

■ 83.5958, 94.4613,
91.8208

■ 45.0306, 75.8811,
31.2437

95.0500, 100.0000,
108.9000

■ 41.2807, 74.0912,
24.5928

■ 38.6318, 72.8353,
19.5161

■ 36.9607, 72.0525,
15.8834

■ 36.0867, 71.6529,
13.5423

■ 36.0488, 71.6355,
13.4407

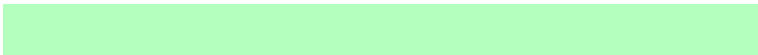
Harmonies

Analogous

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



71.4651, 84.9410, 46.8218



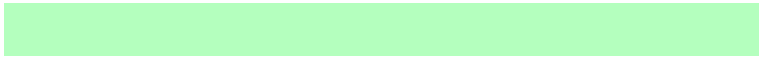
63.8767, 84.9410, 61.7438



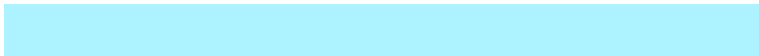
60.7907, 84.9410, 88.3174

Triad

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



63.8767, 84.9410, 61.7438



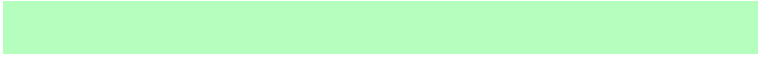
79.2648, 84.9410, 170.2639



102.0411, 84.9410, 67.5155

Complementary

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



63.8767, 84.9410, 61.7438



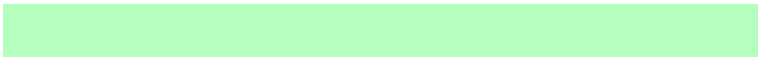
74.0429, 60.4957, 94.1601

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.



104.6216, 84.9410, 96.7844



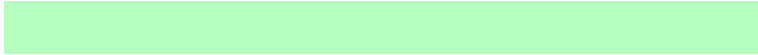
63.8767, 84.9410, 61.7438



90.7713, 84.9410, 161.0191

Square

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



63.8767, 84.9410, 61.7438



69.1307, 84.9410, 154.9701



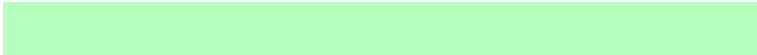
100.3230, 84.9410, 132.0404



93.5677, 84.9410, 49.5625

Rectangle

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



63.8767, 84.9410, 61.7438



61.4657, 84.9410, 111.0349



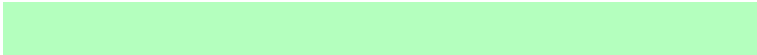
100.3230, 84.9410, 132.0404



103.6588, 84.9410, 76.1278

Sweetspot

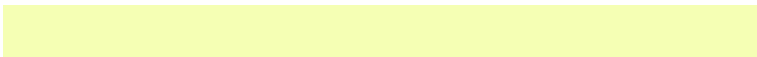
The Sweet Spot groups the original color and five complimentary colors.



63.8773, 84.9413, 61.7451



84.0663, 94.6887, 92.5268



81.6547, 94.2279, 57.0651



17.6399, 20.0963, 19.2732



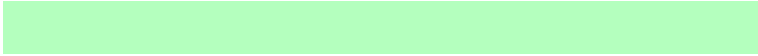
0.0000, 0.0000, 0.0000



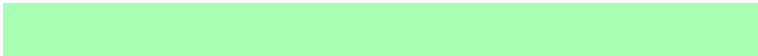
20.3446, 21.4041, 23.3091

Same Dimension

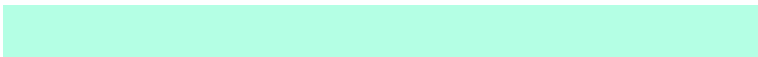
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8773, 84.9413, 61.7451



59.4344, 82.8003, 54.7855



68.5171, 86.7972, 86.1782



17.8701, 20.2076, 19.6192



18.8663, 37.4431, 7.1812



1.8659, 3.6573, 0.8517

Inverse Universe

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



74.0429, 60.4957, 94.1601



71.0234, 54.9187, 91.7295



68.8855, 58.4328, 67.0012



18.6823, 18.2562, 22.2102



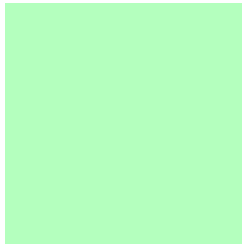
28.4086, 13.8527, 37.1318



2.7937, 1.3599, 3.7611

Previews

White Background



This preview shows how the XYZ color 63.8767, 84.9410, 61.7438 looks on a white background.

Color Contrast Check

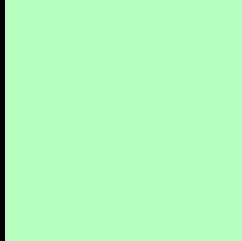
Large Text (above 18pt) WCAG AA × Fail

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 63.8767, 84.9410, 61.7438 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 63.8767, 84.9410, 61.7438

Background



This preview shows how black text looks on a background with the XYZ color 63.8767, 84.9410, 61.7438.



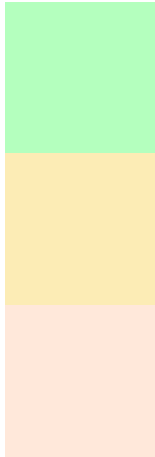
This preview shows how white text looks on a background with the XYZ color 63.8767, 84.9410,

61.7438.

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

63.8767, 84.9410, 61.7438

Protanopia

78.4808, 84.0225, 55.7977

Deuteranopia

82.7515, 84.0352, 78.1886



Tritanopia

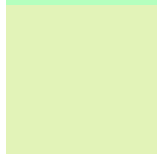
76.6661, 84.5731, 106.8913

Trichromacy



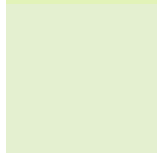
Original Color

63.8767, 84.9410, 61.7438



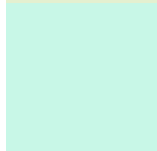
Protanomaly

72.0664, 83.7306, 57.7107



Deuteranomaly

74.5402, 83.3682, 71.8375



Tritanomaly

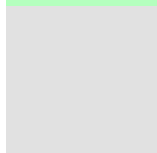
71.5040, 84.5704, 88.1564

Monochromacy



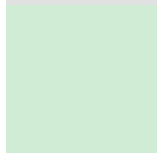
Original Color

63.8767, 84.9410, 61.7438



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.1736, 78.2997, 73.8076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8767, 84.9410, 61.7438 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(180, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 190)  
}
```

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(180, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 190) }
```

Border

The CSS property to change the border of an element to XYZ 63.8767, 84.9410, 61.7438 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(180, 255, 190) }
```


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

```
.border{ border-color:rgb(180, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8767, 84.9410, 61.7438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 190) }
```

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

```
.background{ background-color: rgb(180,  
255, 190) }
```

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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