

Converting Colors

XYZ(70.5665, 100.0000,
63.4801)

Have a look what the booklet for
XYZ(70.5665, 100.0000, 63.4801)
contains.

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Color

**XYZ(62.8498, 84.4242,
61.1271)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFBD
RGB	176, 255, 189
RGB Percent	69%, 100%, 74%
CMY	0.3098, 0.0000, 0.2588
CMYK	0.31, 0.00, 0.26, 0.00
HSL	130°, 100%, 85%
HSV	130°, 31%, 100%
XYZ	62.8498, 84.4242, 61.1271
YIQ	223.8550, -25.8980, -37.2740

Conversions

Conversions Part 2

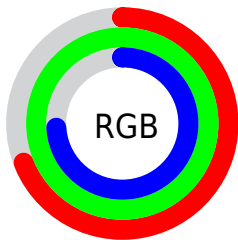
Format	Color
RYB	176, 244, 255
Decimal	11599805
CIELab	93.63, -36.96, 24.04
CIELCh	94, 44.087, 146.962
Yxy	84.4242, 0.3016, 0.4051
Android (android.graphics.Color)	4289789885 (0xFFB0FFBD)
YUV	223.8550, -17.1835, -41.9688
Hunter-Lab	91.8826, -38.6966, 24.8738

Details

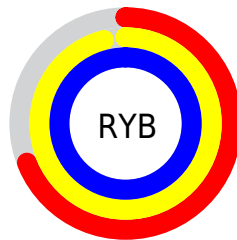
The XYZ color **62.8498, 84.4242, 61.1271** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72.7925, 58.7220, 91.5017**, and the grayscale version is **70.8798, 74.5710, 81.2079**.

A 20% lighter version of the original color is **85.8457, 95.4362, 100.2827**, and **32.4524, 46.2024, 30.1292** is the 20% darker color. If you saturate the color by 10%, you get **55.4700, 80.8677, 49.5843**, and if you desaturate by 10%, it is **71.6535, 88.6755, 74.5123**.

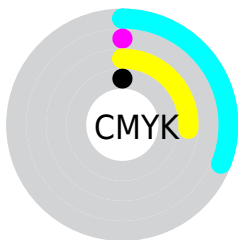
Distribution



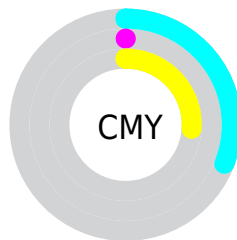
- Red (69%)
- Green (100%)
- Blue (74%)



- Red (69%)
- Yellow (96%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8498, 84.4242, 61.1271 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 62.8498, 84.4242, 61.1271 by changing the saturation by 10% instead.


 62.8498, 84.4242,
61.1271

 62.8498, 84.4242,
61.1271


424.6925,
509.7208, 446.6593

 45.9779, 63.3657,
43.8965


 108.0358,
139.5684, 108.0223

 32.4329, 46.1371,
30.2526


137.0806,
174.4229, 138.5239

 21.8495, 32.3541,
19.7767


170.9138,
214.6449, 174.2864

 13.8624, 21.6321,
12.0504

209.9007,
260.6188, 215.7282

 8.1061, 13.5868,
6.6550

254.4067,
312.7289, 263.2678

 4.2153, 7.8338,
3.1722

304.7971,

 1.8246, 3.9888,

371.3597, 317.3239

1.1832

361.4372,
436.8956, 378.3149

■ 0.5324, 1.6673,
0.0000

■ 0.0000, 0.4024,
0.0000

■ 62.8498, 84.4242,
61.1271

■ 62.8498, 84.4242,
61.1271

■ 55.4700, 80.8677,
49.5843

■ 71.6535, 88.6755,
74.5123

■ 49.4368, 77.9677,
39.7994

■ 81.9491, 93.6552,
89.8113

■ 44.6681, 75.6840,
31.6871

■ 93.8025, 99.3955,
107.0969

■ 41.0721, 73.9711,
25.1536

■ 95.0500, 100.0000,
108.9000

■ 38.5442, 72.7773,
20.0957

■ 36.9606, 72.0411,
16.3979

■ 36.1773, 71.6869,
14.1175

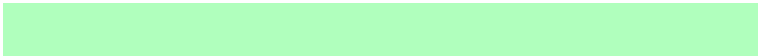
Harmonies

Analogous

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



70.4848, 84.4242, 45.6874



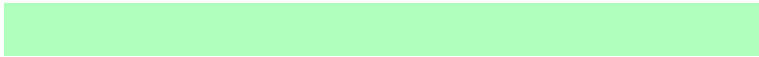
62.8498, 84.4242, 61.1271



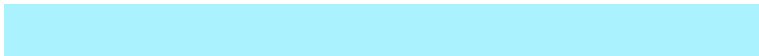
59.8404, 84.4242, 88.5565

Triad

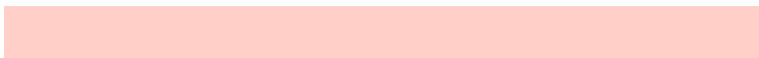
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.8498, 84.4242, 61.1271



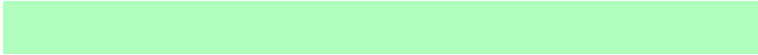
79.0582, 84.4242, 172.2724



101.9705, 84.4242, 65.7368

Complementary

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



62.8498, 84.4242, 61.1271



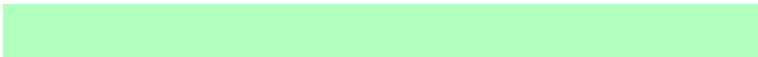
72.7925, 58.7220, 91.5017

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.



104.8235, 84.4242, 95.3750



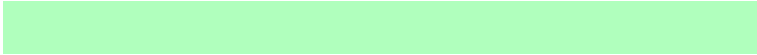
62.8498, 84.4242, 61.1271



90.8619, 84.4242, 161.9948

Square

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



62.8498, 84.4242, 61.1271



68.6107, 84.4242, 157.0718



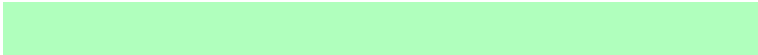
100.5804, 84.4242, 131.6381



93.1202, 84.4242, 47.8599

Rectangle

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



62.8498, 84.4242, 61.1271



60.6212, 84.4242, 111.9932



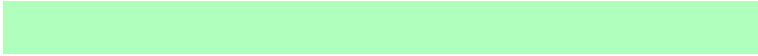
100.5804, 84.4242, 131.6381



103.6979, 84.4242, 74.4075

Sweetspot

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



62.8504, 84.4245, 61.1284



84.1701, 94.7302, 93.0736



80.6106, 93.7361, 54.9193



17.6652, 20.1064, 19.4068



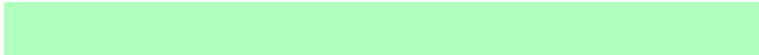
0.0000, 0.0000, 0.0000



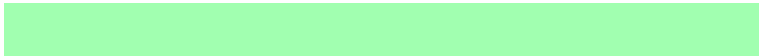
20.3446, 21.4041, 23.3091

Same Dimension

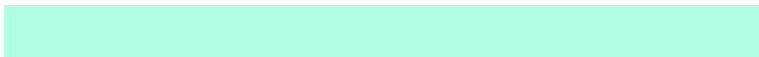
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8504, 84.4245, 61.1284



58.2415, 82.2024, 53.9633



67.5784, 86.3157, 86.0258



17.8935, 20.2169, 19.7421



18.9390, 37.4722, 7.5640



1.8768, 3.6617, 0.9092

Inverse Universe

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



72.7925, 58.7220, 91.5017



69.5737, 52.8876, 88.5694



67.6229, 56.6542, 64.2788



18.6567, 18.2460, 22.0754



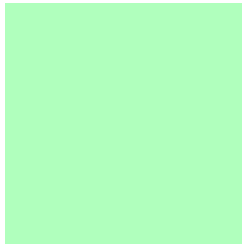
27.8744, 13.6390, 34.3185



2.7467, 1.3411, 3.5135

Previews

White Background



This preview shows how the XYZ color 62.8498, 84.4242, 61.1271 looks on a white background.

Color Contrast Check

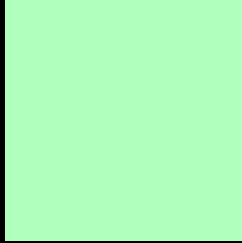
Large Text (above 18pt) WCAG AA × Fail

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 62.8498, 84.4242, 61.1271 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

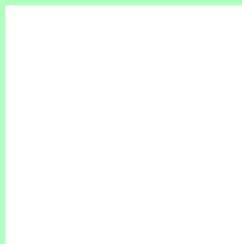
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.8498, 84.4242, 61.1271

Background



This preview shows how black text looks on a background with the XYZ color 62.8498, 84.4242, 61.1271.



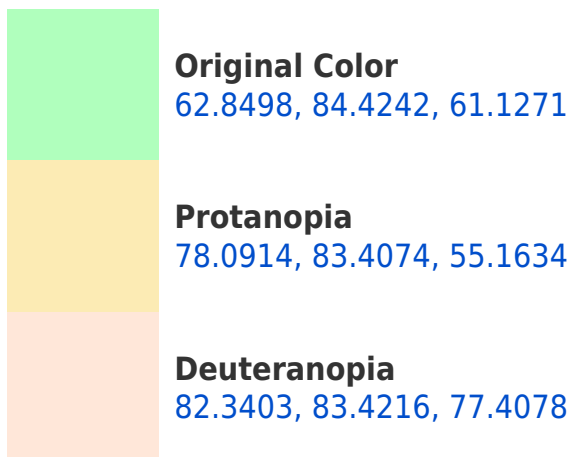
This preview shows how white text looks on a background with the XYZ color 62.8498, 84.4242,

61.1271.

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

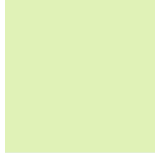
75.8146, 84.1342, 106.8514

Trichromacy



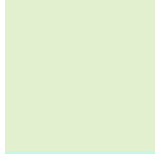
Original Color

62.8498, 84.4242, 61.1271



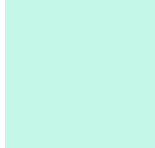
Protanomaly

71.0398, 82.7705, 57.0318



Deuteranomaly

73.7866, 82.9939, 71.1619



Tritanomaly

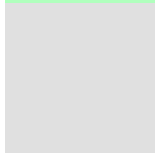
70.4495, 84.0268, 88.1070

Monochromacy



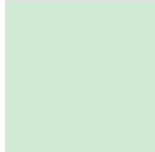
Original Color

62.8498, 84.4242, 61.1271



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1983, 77.3852, 73.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8498, 84.4242, 61.1271 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(176, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 189)  
}
```

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(176, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 189) }
```

Border

The CSS property to change the border of an element to XYZ 62.8498, 84.4242, 61.1271 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(176, 255, 189) }
```


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

```
.border{ border-color:rgb(176, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8498, 84.4242, 61.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 189) }
```

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

```
.background{ background-color: rgb(176,  
255, 189) }
```

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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