

Converting Colors

XYZ(62.7802, 84.2183, 68.8050)

Have a look what the booklet for
XYZ(62.7802, 84.2183, 68.8050)
contains.

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Color

**XYZ(62.7829, 84.2193,
68.8241)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FFCA
RGB	169, 255, 202
RGB Percent	66%, 100%, 79%
CMY	0.3372, 0.0000, 0.2078
CMYK	0.34, 0.00, 0.21, 0.00
HSL	143°, 100%, 83%
HSV	143°, 34%, 100%
XYZ	62.7829, 84.2193, 68.8241
YIQ	223.2440, -34.2430, -34.7150

Conversions

Conversions Part 2

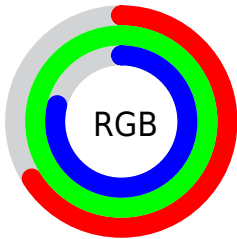
Format	Color
RYB	169, 231, 255
Decimal	11141066
CIELab	93.55, -36.73, 17.23
CIElCh	94, 40.571, 154.869
Yxy	84.2193, 0.2909, 0.3902
Android (android.graphics.Color)	4289331146 (0xFFA9FFCA)
YUV	223.2440, -10.4733, -47.5720
Hunter-Lab	91.7711, -38.4830, 19.7750

Details

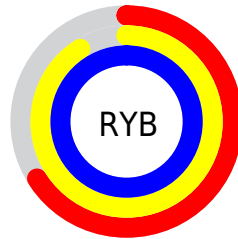
The XYZ color **62.7829, 84.2193, 68.8241** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.6132, 54.9107, 76.0897**, and the grayscale version is **70.4021, 74.0685, 80.6606**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **32.4788, 46.1037, 35.2041** is the 20% darker color. If you saturate the color by 10%, you get **56.0683, 80.9620, 59.2868**, and if you desaturate by 10%, it is **70.7551, 88.1031, 79.4121**.

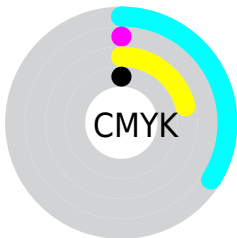
Distribution



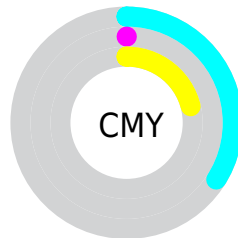
- Red (66%)
- Green (100%)
- Blue (79%)



- Red (66%)
- Yellow (91%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7829, 84.2193, 68.8241 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 62.7829, 84.2193, 68.8241 by changing the saturation by 10% instead.


 62.7829, 84.2193,
68.8241

 62.7829, 84.2193,
68.8241


424.4534,
509.0412, 475.0875

 45.9236, 63.1965,
50.0976


 107.9398,
139.2819, 119.1956

 32.3899, 46.0002,
35.1192


136.9681,
174.0905, 151.6778

 21.8165, 32.2460,
23.4704


170.7835,
214.2632, 189.5822

 13.8380, 21.5495,
14.7327

209.7512,
260.1843, 233.3274

 8.0890, 13.5262,
8.4875

254.2367,
312.2383, 283.3320

 4.2042, 7.7919,
4.3162

304.6054,

 1.8183, 3.9621,

370.8095, 340.0145

1.8004

361.2224,
436.2823, 403.7935

■ 0.5287, 1.6524,
0.4282

■ 0.0000, 0.3925,
0.0000

■ 62.7829, 84.2193,
68.8241

■ 62.7829, 84.2193,
68.8241

■ 56.0683, 80.9620,
59.2868

■ 70.7551, 88.1031,
79.4121

■ 50.5415, 78.2957,
50.7636

■ 80.0456, 92.6439,
91.0779

■ 46.1284, 76.1830,
43.2213

■ 90.7134, 97.8716,
103.8526

■ 42.7455, 74.5816,
36.6236

95.0500, 100.0000,
108.9000

■ 40.2966, 73.4426,
30.9316

■ 38.6652, 72.7068,
26.1034

■ 37.9576, 72.3990,
23.4924

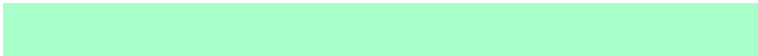
Harmonies

Analogous

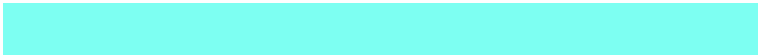
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8216, 84.2193, 51.2596



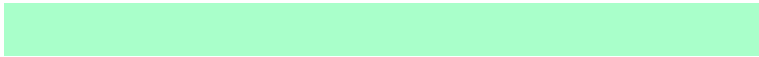
62.7829, 84.2193, 68.8241



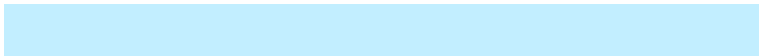
61.1986, 84.2193, 96.8083

Triad

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



62.7829, 84.2193, 68.8241



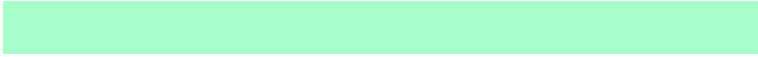
81.8121, 84.2193, 164.0817



98.1985, 84.2193, 61.8957

Complementary

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



62.7829, 84.2193, 68.8241



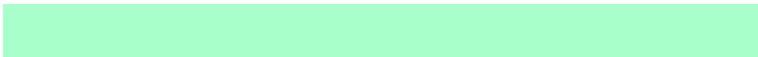
68.6132, 54.9107, 76.0897

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.



102.4175, 84.2193, 86.7756



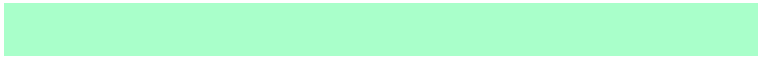
62.7829, 84.2193, 68.8241



92.4332, 84.2193, 149.2309

Square

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



62.7829, 84.2193, 68.8241



71.6009, 84.2193, 156.2785



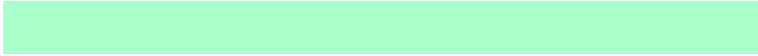
100.2192, 84.2193, 119.1557



89.1344, 84.2193, 47.9307

Rectangle

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



62.7829, 84.2193, 68.8241



62.7490, 84.2193, 118.8645



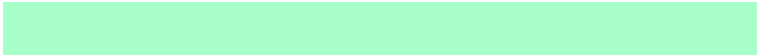
100.2192, 84.2193, 119.1557



100.2655, 84.2193, 69.0264

Sweetspot

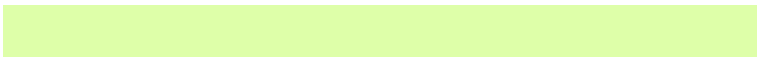
The Sweet Spot groups the original color and five complimentary colors.



62.7836, 84.2196, 68.8255



83.8550, 94.5092, 95.7049



73.0563, 89.9196, 51.0429



17.6359, 20.0758, 20.1072



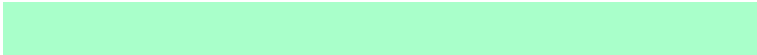
0.0000, 0.0000, 0.0000



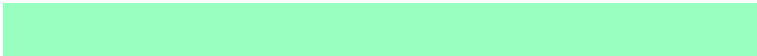
20.3446, 21.4041, 23.3091

Same Dimension

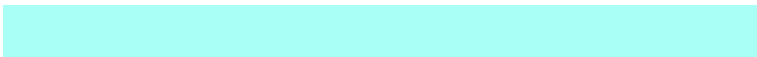
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.7836, 84.2196, 68.8255



58.4269, 82.1043, 62.7192



68.5990, 86.5458, 99.4492



18.0600, 20.2835, 20.6190



19.9009, 37.8570, 12.6293



1.9891, 3.7065, 1.5002

Inverse Universe

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



68.6132, 54.9107, 76.0897



65.0077, 48.9931, 70.9008



63.5686, 52.8928, 49.5254



18.4799, 18.1753, 21.1445



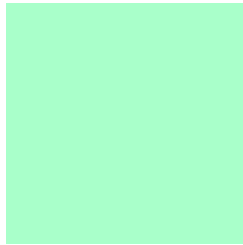
24.8106, 12.4135, 18.1848



2.4691, 1.2300, 2.0518

Previews

White Background



This preview shows how the XYZ color 62.7829, 84.2193, 68.8241 looks on a white background.

Color Contrast Check

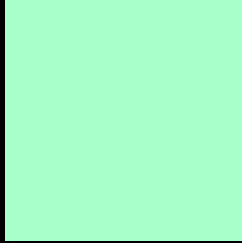
Large Text (above 18pt) WCAG AA × Fail

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 62.7829, 84.2193, 68.8241 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 62.7829, 84.2193, 68.8241

Background



This preview shows how black text looks on a background with the XYZ color 62.7829, 84.2193, 68.8241.

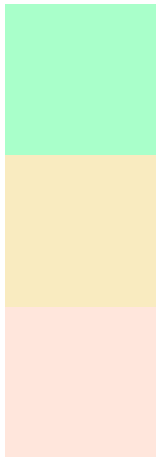


This preview shows how white text looks on a background with the XYZ color 62.7829, 84.2193,

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

62.7829, 84.2193, 68.8241

Protanopia

78.2897, 83.3622, 61.8334

Deuteranopia

82.4551, 83.0209, 79.3889



Tritanopia

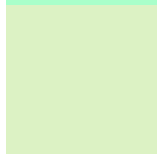
74.7040, 83.5616, 106.7994

Trichromacy



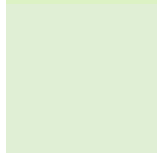
Original Color

62.7829, 84.2193, 68.8241



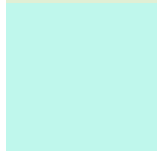
Protanomaly

71.2311, 82.7054, 64.4340



Deuteranomaly

73.6172, 82.3844, 74.9725



Tritanomaly

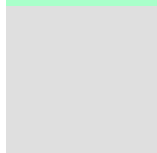
69.8869, 83.6540, 91.8203

Monochromacy



Original Color

62.7829, 84.2193, 68.8241



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.6027, 77.0195, 75.6459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7829, 84.2193, 68.8241 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(169, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 202)  
}
```

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(169, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 62.7829, 84.2193, 68.8241 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(169, 255, 202) }
```


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

```
.border{ border-color:rgb(169, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7829, 84.2193, 68.8241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 202) }
```

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

```
.background{ background-color: rgb(169,  
255, 202) }
```

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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