

Converting Colors

XYZ(62.9980, 84.3363, 68.5593)

Have a look what the booklet for
XYZ(62.9980, 84.3363, 68.5593)
contains.

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Color

**XYZ(62.9982, 84.3303,
68.8341)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFFCA
RGB	170, 255, 202
RGB Percent	67%, 100%, 79%
CMY	0.3333, 0.0000, 0.2078
CMYK	0.33, 0.00, 0.21, 0.00
HSL	143°, 100%, 83%
HSV	143°, 33%, 100%
XYZ	62.9982, 84.3303, 68.8341
YIQ	223.5430, -33.6470, -34.5030

Conversions

Conversions Part 2

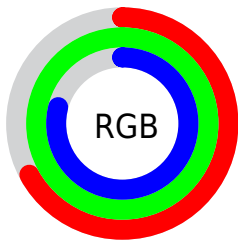
Format	Color
RYB	170, 232, 255
Decimal	11206602
CIELab	93.59, -36.44, 17.30
CIELCh	94, 40.340, 154.598
Yxy	84.3303, 0.2914, 0.3901
Android (android.graphics.Color)	4289396682 (0xFFFAFFCA)
YUV	223.5430, -10.6207, -46.9572
Hunter-Lab	91.8315, -38.2507, 19.8401

Details

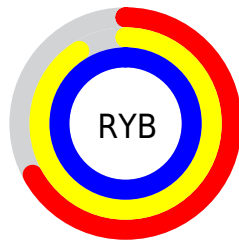
The XYZ color **62.9982, 84.3303, 68.8341** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **68.9343, 55.3378, 76.8599**, and the grayscale version is **70.6157, 74.2932, 80.9053**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **32.6096, 46.1711, 35.2102** is the 20% darker color. If you saturate the color by 10%, you get **56.2233, 81.0441, 59.1913**, and if you desaturate by 10%, it is **71.0376, 88.2459, 79.5514**.

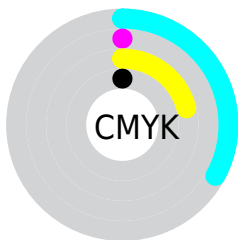
Distribution



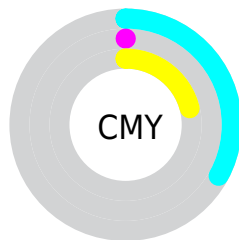
- Red (67%)
- Green (100%)
- Blue (79%)



- Red (67%)
- Yellow (91%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9982, 84.3303, 68.8341 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 62.9982, 84.3303, 68.8341 by changing the saturation by 10% instead.


 62.9982, 84.3303,
68.8341

 62.9982, 84.3303,
68.8341


425.2227,
509.4094, 475.1237

 46.0984, 63.2882,
50.1057


 108.2487,
139.4371, 119.2101

 32.5284, 46.0744,
35.1256


137.3302,
174.2706, 151.6947

 21.9229, 32.3045,
23.4753


171.2029,
214.4700, 189.6018

 13.9166, 21.5942,
14.7363

210.2322,
260.4197, 233.3500

 8.1440, 13.5590,
8.4900

254.7835,
312.5041, 283.3577

 4.2398, 7.8146,
4.3178

305.2221,

 1.8387, 3.9766,

371.1076, 340.0435

1.8013

361.9134,
436.6146, 403.8260

■ 0.5408, 1.6605,
0.4288

■ 0.0000, 0.3979,
0.0000

■ 62.9982, 84.3303,
68.8341

■ 62.9982, 84.3303,
68.8341

■ 56.2233, 81.0441,
59.1913

■ 71.0376, 88.2459,
79.5514

■ 50.6429, 78.3520,
50.5851

■ 80.4021, 92.8216,
91.3712

■ 46.1832, 76.2166,
42.9815

■ 91.1508, 98.0871,
104.3256

■ 42.7607, 74.5957,
36.3428

95.0500, 100.0000,
108.9000

■ 40.2796, 73.4405,
30.6288

■ 38.6242, 72.6924,
25.7962

■ 37.8715, 72.3646,
23.0388

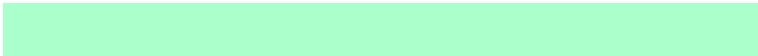
Harmonies

Analogous

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



69.0497, 84.3303, 51.4211



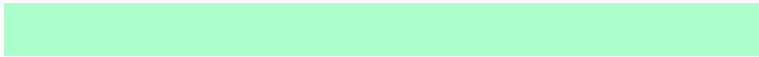
62.9982, 84.3303, 68.8341



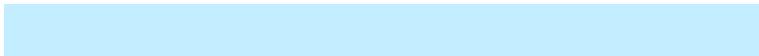
61.3778, 84.3303, 96.6172

Triad

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



62.9982, 84.3303, 68.8341



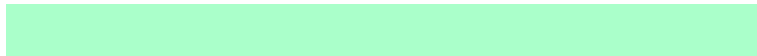
81.8110, 84.3303, 163.8011



98.2726, 84.3303, 62.3127

Complementary

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



62.9982, 84.3303, 68.8341



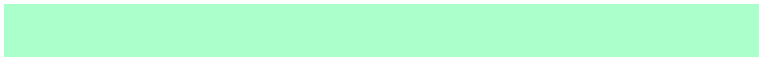
68.9343, 55.3378, 76.8599

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.



102.4137, 84.3303, 87.1869



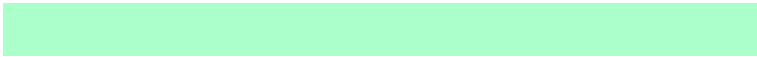
62.9982, 84.3303, 68.8341



92.3879, 84.3303, 149.2362

Square

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



62.9982, 84.3303, 68.8341



71.6636, 84.3303, 155.8490



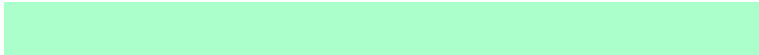
100.1705, 84.3303, 119.4292



89.2886, 84.3303, 48.2839

Rectangle

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



62.9982, 84.3303, 68.8341



62.8946, 84.3303, 118.5409



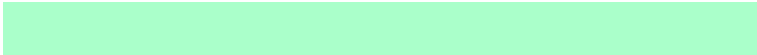
100.1705, 84.3303, 119.4292



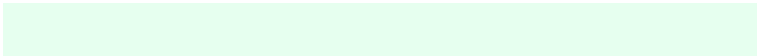
100.3117, 84.3303, 69.4527

Sweetspot

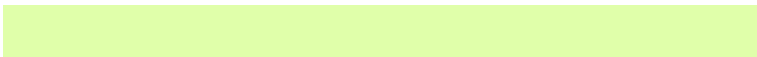
The Sweet Spot groups the original color and five complimentary colors.



62.9989, 84.3306, 68.8355



83.8277, 94.4983, 95.5609



73.7049, 90.2431, 51.5651



17.6293, 20.0732, 20.0725



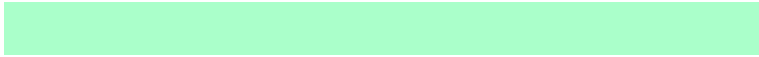
0.0000, 0.0000, 0.0000



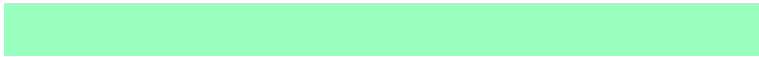
20.3446, 21.4041, 23.3091

Same Dimension

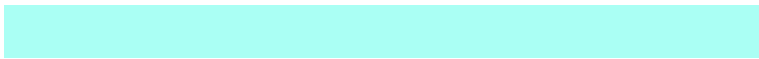
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.9989, 84.3306, 68.8355



58.3451, 82.0716, 62.2883



68.6166, 86.5777, 98.4177



18.0544, 20.2813, 20.5896



19.8551, 37.8386, 12.3884



1.9842, 3.7046, 1.4747

Inverse Universe

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



68.9343, 55.3378, 76.8599



65.1035, 49.0314, 71.4051



63.9900, 53.3601, 50.8234



18.4857, 18.1776, 21.1749



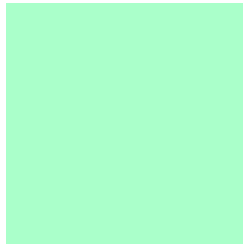
24.8935, 12.4467, 18.6213



2.4769, 1.2331, 2.0927

Previews

White Background



This preview shows how the XYZ color 62.9982, 84.3303, 68.8341 looks on a white background.

Color Contrast Check

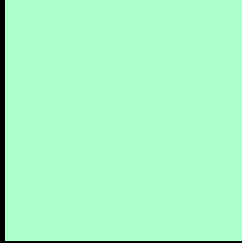
Large Text (above 18pt) WCAG AA × Fail

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 62.9982, 84.3303, 68.8341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

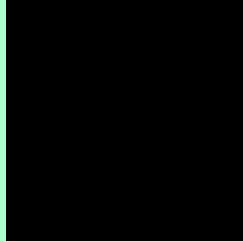
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.9982, 84.3303, 68.8341

Background



This preview shows how black text looks on a background with the XYZ color 62.9982, 84.3303, 68.8341.

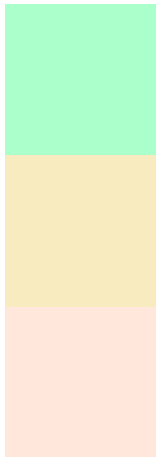


This preview shows how white text looks on a background with the XYZ color 62.9982, 84.3303, 68.8341.

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

62.9982, 84.3303, 68.8341

Protanopia

78.2897, 83.3622, 61.8334

Deuteranopia

82.7342, 83.5791, 79.4820



Tritanopia

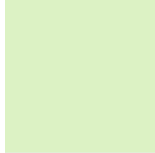
74.9790, 83.7034, 106.8123

Trichromacy



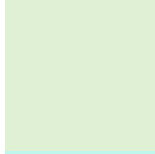
Original Color

62.9982, 84.3303, 68.8341



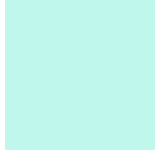
Protanomaly

71.2311, 82.7054, 64.4340



Deuteranomaly

73.9108, 82.9716, 75.0704



Tritanomaly

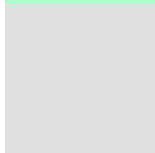
70.1393, 83.7841, 91.8321

Monochromacy



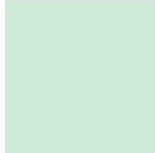
Original Color

62.9982, 84.3303, 68.8341



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.0048, 77.2119, 76.3376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9982, 84.3303, 68.8341 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(170, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 62.9982, 84.3303, 68.8341 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(170, 255, 202) }
```


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

```
.border{ border-color:rgb(170, 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(170, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9982, 84.3303, 68.8341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 202) }
```

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

```
.background{ background-color: rgb(170,  
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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