

# Converting Colors

XYZ(91.4082, 142.1018,  
76.7859)

Have a look what the booklet for  
XYZ(91.4082, 142.1018, 76.7859)  
contains.

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# Color

**XYZ(62.4310, 84.0785,  
66.9712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9FFC7
RGB	169, 255, 199
RGB Percent	66%, 100%, 78%
CMY	0.3372, 0.0000, 0.2196
CMYK	0.34, 0.00, 0.22, 0.00
HSL	141°, 100%, 83%
HSV	141°, 34%, 100%
XYZ	62.4310, 84.0785, 66.9712
YIQ	222.9020, -33.2800, -35.6480

# Conversions

## Conversions Part 2

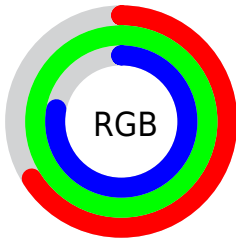
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">169, 233, 255</a>
Decimal	<a href="#">11141063</a>
CIELab	<a href="#">93.48, -37.28, 18.68</a>
CIElCh	<a href="#">93, 41.700, 153.388</a>
Yxy	<a href="#">84.0785, 0.2924, 0.3938</a>
Android (android.graphics.Color)	<a href="#">4289331143 (0xFFA9FFC7)</a>
YUV	<a href="#">222.9020, -11.7837, -47.2721</a>
Hunter-Lab	<a href="#">91.6943, -38.9316, 20.8821</a>

# Details

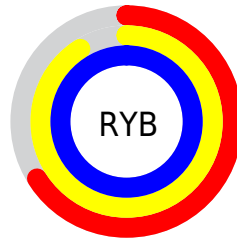
The XYZ color **62.4310, 84.0785, 66.9712** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.0189, 55.0729, 78.2264**, and the grayscale version is **70.1674, 73.8216, 80.3917**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **32.2443, 46.0099, 33.9694** is the 20% darker color. If you saturate the color by 10%, you get **55.6595, 80.7984, 57.1340**, and if you desaturate by 10%, it is **70.4811, 87.9934, 77.9691**.

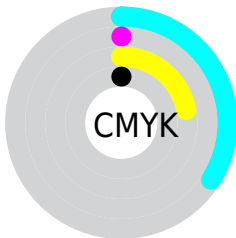
# Distribution



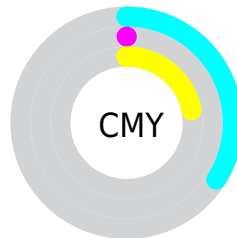
- Red (66%)
- Green (100%)
- Blue (78%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4310, 84.0785, 66.9712 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 62.4310, 84.0785, 66.9712 by changing the saturation by 10% instead.





 62.4310, 84.0785,  
66.9712

 62.4310, 84.0785,  
66.9712


423.1941,  
508.5739, 468.3410

 45.6380, 63.0802,  
48.5998


 107.4346,  
139.0850, 116.5194

 32.1636, 45.9061,  
33.9387


136.3759,  
173.8620, 148.5333

 21.6427, 32.1718,  
22.5696


170.0974,  
214.0007, 185.9317

 13.7097, 21.4927,  
14.0737

208.9643,  
259.8856, 229.1332

 7.9994, 13.4846,  
8.0326

253.3421,  
311.9009, 278.5563

 4.1464, 7.7631,  
4.0277

303.5961,

 1.7853, 3.9437,

370.4311, 334.6196

1.6406

360.0916,  
435.8607, 397.7417

■ 0.5088, 1.6421,  
0.3195

■ 0.0000, 0.3858,  
0.0000

■ 62.4310, 84.0785,  
66.9712

■ 62.4310, 84.0785,  
66.9712

■ 55.6595, 80.7984,  
57.1340

■ 70.4811, 87.9934,  
77.9691

■ 50.0955, 78.1173,  
48.4150

■ 79.8713, 92.5742,  
90.1601

■ 45.6639, 75.9972,  
40.7752

■ 90.6617, 97.8509,  
103.5804

■ 42.2799, 74.3954,  
34.1716

95.0500, 100.0000,  
108.9000

■ 39.8459, 73.2623,  
28.5580

■ 38.2439, 72.5382,  
23.8845

■ 37.5613, 72.2405,  
21.4057

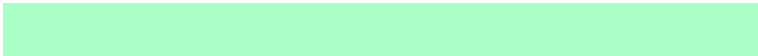
# Harmonies

## Analogous

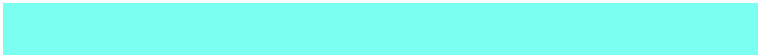
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8139, 84.0785, 49.6594



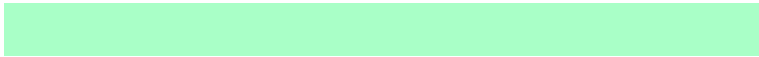
62.4310, 84.0785, 66.9712



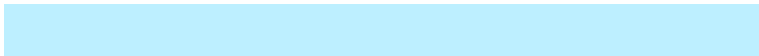
60.5775, 84.0785, 95.1800

# Triad

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



62.4310, 84.0785, 66.9712



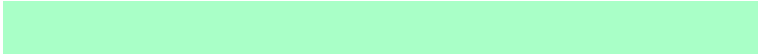
81.1727, 84.0785, 166.4481



98.9391, 84.0785, 62.0542

# Complementary

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



62.4310, 84.0785, 66.9712



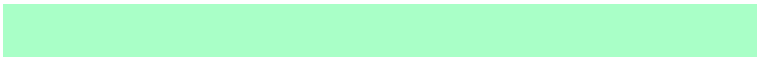
69.0189, 55.0729, 78.2264

# 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.



102.9814, 84.0785, 88.0080



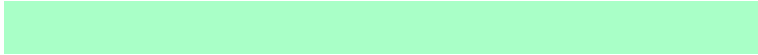
62.4310, 84.0785, 66.9712



92.1480, 84.0785, 152.1220

# Square

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



62.4310, 84.0785, 66.9712



70.7955, 84.0785, 157.2083



100.3898, 84.0785, 121.5015

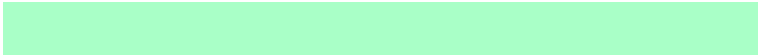


89.7839, 84.0785, 47.3123



# Rectangle

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



62.4310, 84.0785, 66.9712



62.0048, 84.0785, 117.8044



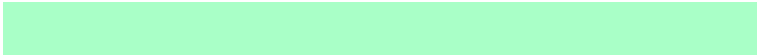
100.3898, 84.0785, 121.5015



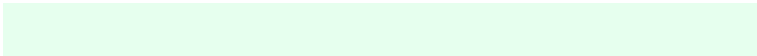
100.9772, 84.0785, 69.5138

# Sweetspot

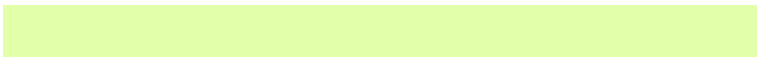
The Sweet Spot groups the original color and five complimentary colors.



62.4317, 84.0789, 66.9726



83.7237, 94.4567, 95.0133



74.3905, 90.6075, 51.1053



17.6043, 20.0631, 19.9405



0.0000, 0.0000, 0.0000

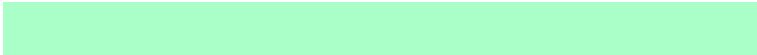


20.3446, 21.4041, 23.3091

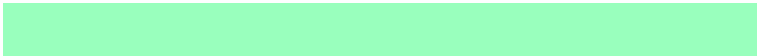


# Same Dimension

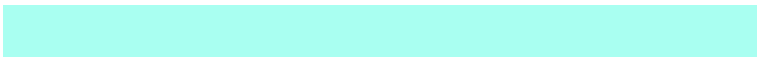
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.4317, 84.0789, 66.9726



58.0369, 81.9483, 60.6656



67.9501, 86.2862, 96.0321



18.0332, 20.2728, 20.4777



19.6900, 37.7726, 11.5189



1.9665, 3.6975, 1.3813



# Inverse Universe

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



69.0189, 55.0729, 78.2264



65.4725, 49.1790, 73.3481



64.0105, 53.0696, 51.8525



18.5077, 18.1864, 21.2909



25.2207, 12.5776, 20.3443

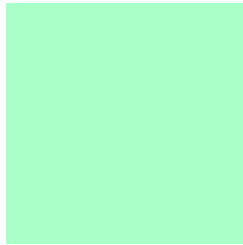


2.5073, 1.2453, 2.2531



# Previews

## White Background



This preview shows how the XYZ color 62.4310, 84.0785, 66.9712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

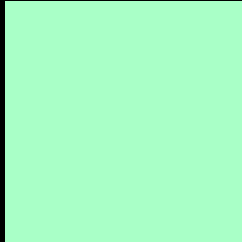
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.4310, 84.0785, 66.9712 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

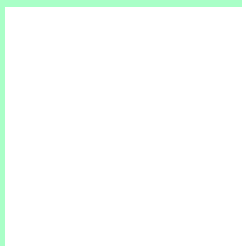
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.4310, 84.0785, 66.9712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.4310, 84.0785, 66.9712.



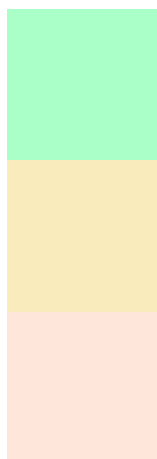
This preview shows how white text looks on a background with the XYZ color 62.4310, 84.0785,



# 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

62.4310, 84.0785, 66.9712

### Protanopia

78.3180, 83.4148, 60.1170

### Deuteranopia

82.3230, 82.9681, 78.6934



## Tritanopia

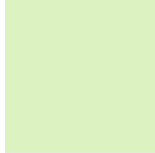
74.7040, 83.5616, 106.7994

# Trichromacy



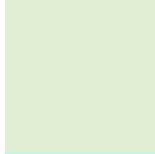
## Original Color

62.4310, 84.0785, 66.9712



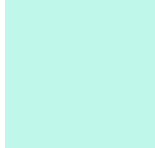
## Protanomaly

71.1966, 82.7267, 62.6675



## Deuteranomaly

73.4906, 82.3338, 74.3060



## Tritanomaly

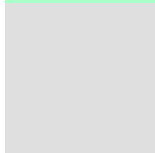
69.7420, 83.5961, 91.0571

# Monochromacy



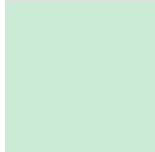
## Original Color

62.4310, 84.0785, 66.9712



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.4745, 76.9682, 74.9711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4310, 84.0785, 66.9712 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4310, 84.0785, 66.9712 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, 199) }
```



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

```
.border{ border-color:rgb(169, 255, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4310, 84.0785, 66.9712 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, 199) }
```

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

```
.background{ background-color: rgb(169,  
255, 199) }
```

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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