

# Converting Colors

XYZ(62.4907, 83.8087, 70.3094)

Have a look what the booklet for  
XYZ(62.4907, 83.8087, 70.3094)  
contains.

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# Color

**XYZ(62.5954, 84.0951,  
70.0596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7FFCC
RGB	167, 255, 204
RGB Percent	65%, 100%, 80%
CMY	0.3451, 0.0000, 0.2000
CMYK	0.35, 0.00, 0.20, 0.00
HSL	145°, 100%, 83%
HSV	145°, 35%, 100%
XYZ	62.5954, 84.0951, 70.0596
YIQ	222.8740, -36.0770, -34.5170

# Conversions

## Conversions Part 2

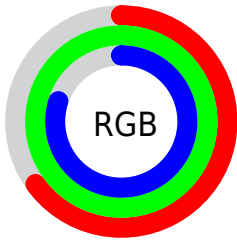
Format	Color
<a href="#">RYB</a>	<a href="#">167, 229, 255</a>
Decimal	<a href="#">11009996</a>
CIELab	<a href="#">93.49, -36.93, 16.12</a>
CIELCh	<a href="#">93, 40.295, 156.425</a>
Yxy	<a href="#">84.0951, 0.2888, 0.3880</a>
Android (android.graphics.Color)	<a href="#">4289200076 (0xFFA7FFCC)</a>
YUV	<a href="#">222.8740, -9.3049, -49.0015</a>
Hunter-Lab	<a href="#">91.7034, -38.6394, 18.8960</a>

# Details

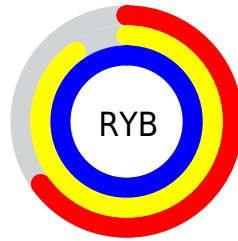
The XYZ color **62.5954, 84.0951, 70.0596** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **67.7139, 53.9601, 73.1760**, and the grayscale version is **70.1319, 73.7842, 80.3510**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **32.3812, 46.0349, 36.0331** is the 20% darker color. If you saturate the color by 10%, you get **56.0397, 80.9107, 60.9354**, and if you desaturate by 10%, it is **70.3828, 87.8950, 80.1221**.

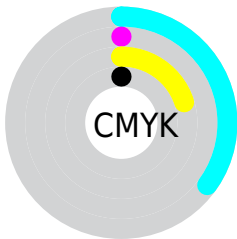
# Distribution



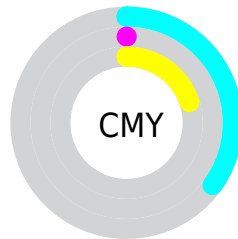
- Red (65%)
- Green (100%)
- Blue (80%)



- Red (65%)
- Yellow (90%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5954, 84.0951, 70.0596 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 62.5954, 84.0951, 70.0596 by changing the saturation by 10% instead.





 62.5954, 84.0951,  
70.0596


 62.5954, 84.0951,  
70.0596


423.7826,  
508.6290, 479.5540


 45.7714, 63.0940,  
51.0980


 107.6707,  
139.1082, 120.9757


 32.2693, 45.9172,  
35.9094


 136.6527,  
173.8889, 153.7672


 21.7238, 32.1805,  
24.0751


 170.4180,  
214.0317, 192.0058

 13.7696, 21.4994,  
15.1766

 209.3321,  
259.9208, 236.1101

 8.0412, 13.4895,  
8.7954

 253.7602,  
311.9407, 286.4985

 4.1734, 7.7665,  
4.5130

304.0678,

 1.8007, 3.9459,

370.4758, 343.5896

1.9108

360.6201,  
435.9104, 407.8019

■ 0.5181, 1.6433,  
0.4996

■ 0.0000, 0.3866,  
0.0000

■ 62.5954, 84.0951,  
70.0596

■ 62.5954, 84.0951,  
70.0596

■ 56.0397, 80.9107,  
60.9354

■ 70.3828, 87.8950,  
80.1221

■ 50.6463, 78.3066,  
52.7180

■ 79.4619, 92.3409,  
91.1452

■ 46.3416, 76.2454,  
45.3799

■ 89.8912, 97.4623,  
103.1552

■ 43.0424, 74.6848,  
38.8905

95.0500, 100.0000,  
108.9000

■ 40.6526, 73.5759,  
33.2173

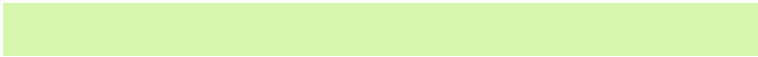
■ 39.0549, 72.8589,  
28.3252

■ 38.4254, 72.5861,  
25.9557

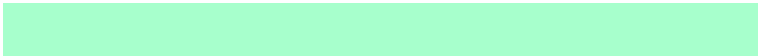
# Harmonies

## Analogous

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



68.3793, 84.0951, 52.0253



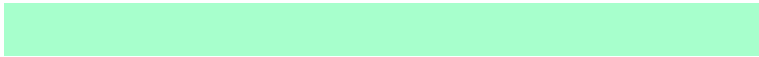
62.5954, 84.0951, 70.0596



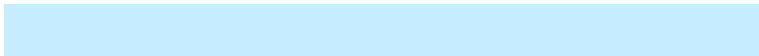
61.2624, 84.0951, 98.2845

# Triad

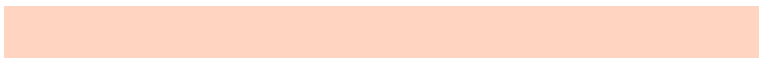
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.5954, 84.0951, 70.0596



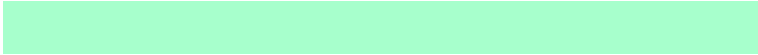
82.2428, 84.0951, 163.0637



97.5611, 84.0951, 60.9762

# Complementary

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



62.5954, 84.0951, 70.0596



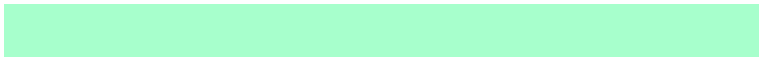
67.7139, 53.9601, 73.1760

# 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.



102.0496, 84.0951, 85.1594



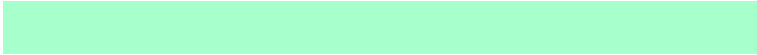
62.5954, 84.0951, 70.0596



92.7130, 84.0951, 147.3112

# Square

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



62.5954, 84.0951, 70.0596



72.0180, 84.0951, 156.5048



100.2012, 84.0951, 117.0749

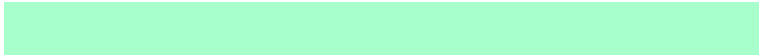


88.4010, 84.0951, 47.6529



# Rectangle

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



62.5954, 84.0951, 70.0596



62.9617, 84.0951, 120.2161



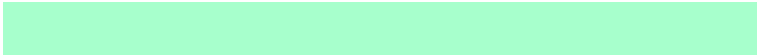
100.2012, 84.0951, 117.0749



99.7017, 84.0951, 67.8718

# Sweetspot

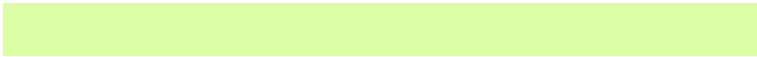
The Sweet Spot groups the original color and five complimentary colors.



62.5961, 84.0954, 70.0610



83.9941, 94.5649, 96.4369



71.7487, 89.2671, 50.0089



17.6695, 20.0892, 20.2838



0.0000, 0.0000, 0.0000

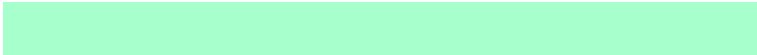


20.3446, 21.4041, 23.3091

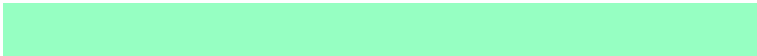


# Same Dimension

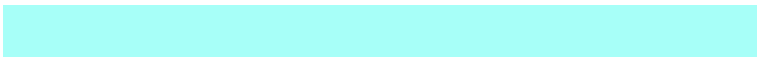
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.5961, 84.0954, 70.0610



58.2043, 81.9603, 64.0328



68.5884, 86.4924, 101.6159



18.0884, 20.2949, 20.7686



20.1487, 37.9561, 13.9342



2.0149, 3.7169, 1.6363



# Inverse Universe

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



67.7139, 53.9601, 73.1760



63.9812, 47.9218, 67.5321



62.7318, 51.9672, 46.9403



18.4508, 18.1636, 20.9910



24.4090, 12.2529, 16.0701

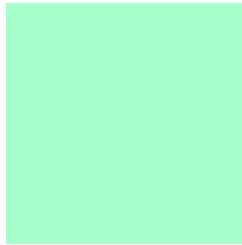


2.4312, 1.2149, 1.8521



# Previews

## White Background



This preview shows how the XYZ color 62.5954, 84.0951, 70.0596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

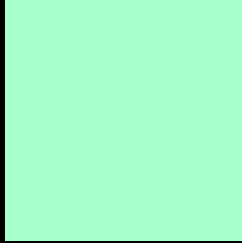
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.5954, 84.0951, 70.0596 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 62.5954, 84.0951, 70.0596**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.5954, 84.0951, 70.0596.



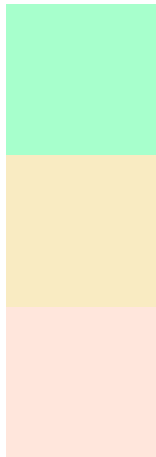
This preview shows how white text looks on a background with the XYZ color 62.5954, 84.0951,

70.0596.

# 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

62.5954, 84.0951, 70.0596

### Protanopia

78.5129, 83.4514, 63.0086

### Deuteranopia

82.4551, 83.0209, 79.3889



## Tritanopia

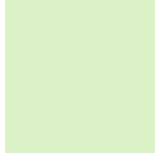
74.4307, 83.4208, 106.7866

# Trichromacy



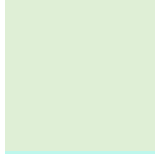
## Original Color

62.5954, 84.0951, 70.0596



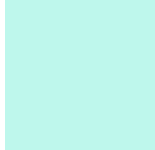
## Protanomaly

71.1586, 82.6415, 65.6270



## Deuteranomaly

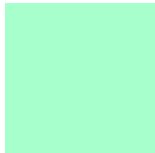
73.4355, 82.2760, 75.6287



## Tritanomaly

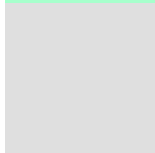
69.6363, 83.5248, 91.8086

# Monochromacy



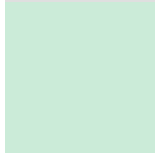
## Original Color

62.5954, 84.0951, 70.0596



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.7316, 77.0710, 76.3248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5954, 84.0951, 70.0596 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(167, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 204)  
}
```

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(167, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5954, 84.0951, 70.0596 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(167, 255, 204) }
```



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

```
.border{ border-color:rgb(167, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5954, 84.0951, 70.0596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 204) }
```

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

```
.background{ background-color: rgb(167,  
255, 204) }
```

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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