

# Converting Colors

XYZ(62.3733, 84.1054, 64.4099)

Have a look what the booklet for  
XYZ(62.3733, 84.1054, 64.4099)  
contains.

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# Color

**XYZ(62.4049, 84.1181,  
64.5771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABFFC3
RGB	171, 255, 195
RGB Percent	67%, 100%, 76%
CMY	0.3294, 0.0000, 0.2353
CMYK	0.33, 0.00, 0.24, 0.00
HSL	137°, 100%, 84%
HSV	137°, 33%, 100%
XYZ	62.4049, 84.1181, 64.5771
YIQ	223.0440, -30.8040, -36.4680

# Conversions

## Conversions Part 2

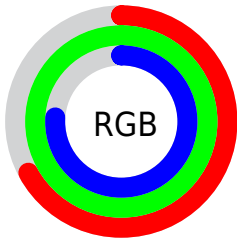
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 236, 255
Decimal	11272131
CIELab	93.50, -37.42, 20.76
CIELCh	94, 42.790, 150.977
Yxy	84.1181, 0.2956, 0.3985
Android (android.graphics.Color)	4289462211 (0xFFABFFC3)
YUV	223.0440, -13.8257, -45.6426
Hunter-Lab	91.7159, -39.0488, 22.4551

# Details

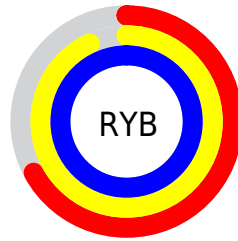
The XYZ color **62.4049, 84.1181, 64.5771** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70.2269, 56.1559, 82.7386**, and the grayscale version is **70.2810, 73.9411, 80.5219**.

A 20% lighter version of the original color is **85.3256, 95.0423, 105.9433**, and **32.2043, 46.0243, 32.3855** is the 20% darker color. If you saturate the color by 10%, you get **55.4404, 80.7513, 54.1490**, and if you desaturate by 10%, it is **70.6933, 88.1382, 76.3812**.

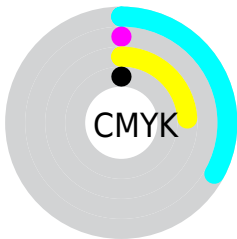
# Distribution



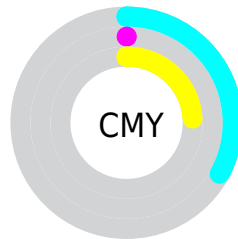
- Red (67%)
- Green (100%)
- Blue (76%)



- Red (67%)
- Yellow (93%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4049, 84.1181, 64.5771 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 62.4049, 84.1181, 64.5771 by changing the saturation by 10% instead.





 62.4049, 84.1181,  
64.5771

 62.4049, 84.1181,  
64.5771


423.1006,  
508.7053, 459.5352

 45.6168, 63.1129,  
46.6691


 107.3972,  
139.1404, 113.0491

 32.1469, 45.9326,  
32.4217


136.3320,  
173.9263, 144.4501

 21.6298, 32.1926,  
21.4163


170.0465,  
214.0745, 181.1859

 13.7002, 21.5087,  
13.2344

208.9059,  
259.9696, 223.6750

 7.9928, 13.4963,  
7.4576

253.2757,  
311.9958, 272.3360

 4.1421, 7.7712,  
3.6671

303.5212,

 1.7828, 3.9489,

370.5376, 327.5873

1.4446

360.0077,  
435.9793, 389.8475

■ 0.5073, 1.6450,  
0.1761

■ 0.0000, 0.3877,  
0.0000

■ 62.4049, 84.1181,  
64.5771

■ 62.4049, 84.1181,  
64.5771

■ 55.4404, 80.7513,  
54.1490

■ 70.6933, 88.1382,  
76.3812

■ 49.7271, 78.0016,  
45.0425

■ 80.3693, 92.8437,  
89.6049

■ 45.1879, 75.8304,  
37.2056

■ 91.4944, 98.2653,  
104.2950

■ 41.7363, 74.1940,  
30.5811

95.0500, 100.0000,  
108.9000

■ 39.2727, 73.0426,  
25.1075

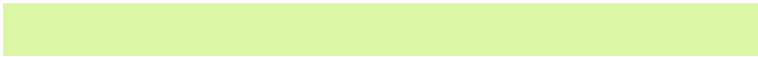
■ 37.6779, 72.3160,  
20.7173

■ 36.9580, 71.9992,  
18.2285

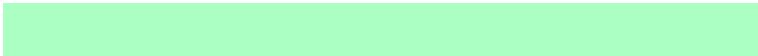
# Harmonies

## Analogous

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



69.2738, 84.1181, 47.9001



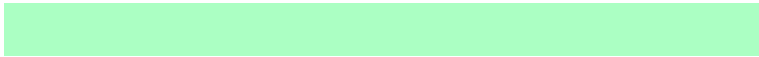
62.4049, 84.1181, 64.5771



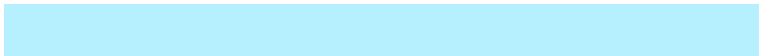
60.1212, 84.1181, 92.6564

# Triad

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



62.4049, 84.1181, 64.5771



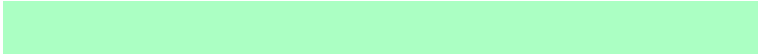
80.3231, 84.1181, 169.0336



100.0819, 84.1181, 63.1309

# Complementary

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



62.4049, 84.1181, 64.5771



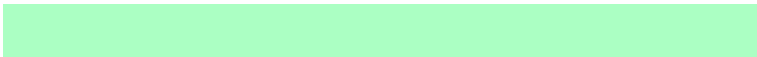
70.2269, 56.1559, 82.7386

# 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.



103.7239, 84.1181, 90.5324



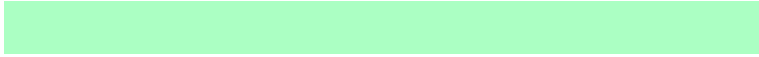
62.4049, 84.1181, 64.5771



91.6741, 84.1181, 156.0316

# Square

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



62.4049, 84.1181, 64.5771



69.8592, 84.1181, 157.5513



100.5133, 84.1181, 125.2481

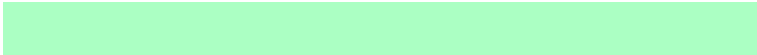


90.9723, 84.1181, 47.2140



# Rectangle

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



62.4049, 84.1181, 64.5771



61.3182, 84.1181, 115.7426



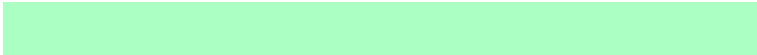
100.5133, 84.1181, 125.2481



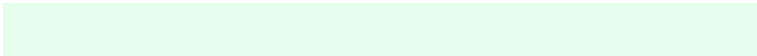
102.0227, 84.1181, 71.0559

# Sweetspot

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



62.4055, 84.1183, 64.5784



83.4877, 94.3623, 93.7705



76.1306, 91.4826, 52.1743



17.5474, 20.0404, 19.6412



0.0000, 0.0000, 0.0000

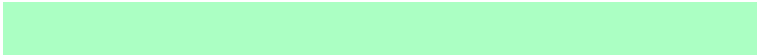


20.3446, 21.4041, 23.3091

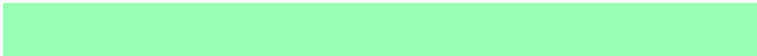


# Same Dimension

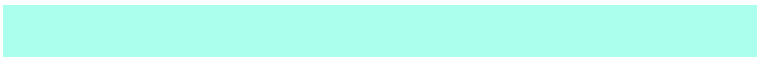
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.4055, 84.1183, 64.5784



57.3553, 81.6757, 57.0762



67.8118, 86.2809, 93.0477



17.9849, 20.2535, 20.2237



19.3665, 37.6432, 9.8152



1.9303, 3.6830, 1.1907



# Inverse Universe

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



70.2269, 56.1559, 82.7386



66.3389, 49.5255, 77.9107



65.0104, 54.0693, 55.2687



18.5584, 18.2067, 21.5575



26.0358, 12.9036, 24.6369

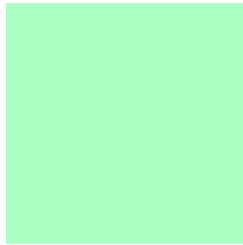


2.5821, 1.2752, 2.6470



# Previews

## White Background



This preview shows how the XYZ color 62.4049, 84.1181, 64.5771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

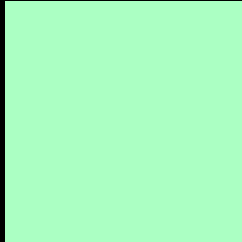
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.4049, 84.1181, 64.5771 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

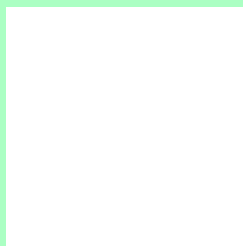
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.4049, 84.1181, 64.5771**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.4049, 84.1181, 64.5771.



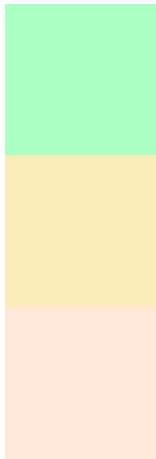
This preview shows how white text looks on a background with the XYZ color 62.4049, 84.1181,



# 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

62.4049, 84.1181, 64.5771

### Protanopia

77.8896, 83.2434, 57.8613

### Deuteranopia

82.4708, 83.4738, 78.0950



## **Tritanopia**

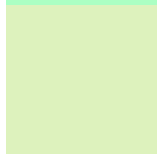
74.9790, 83.7034, 106.8123

# Trichromacy



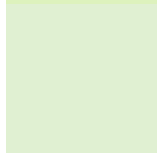
## Original Color

62.4049, 84.1181, 64.5771



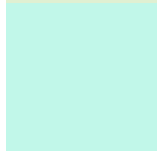
## Protanomaly

70.7562, 82.5505, 60.3487



## Deuteranomaly

73.5334, 82.8206, 73.0831



## Tritanomaly

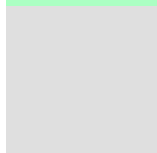
69.9611, 83.7422, 89.5673

# Monochromacy



## Original Color

62.4049, 84.1181, 64.5771



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

66.6204, 77.0581, 74.3132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4049, 84.1181, 64.5771 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(171, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 195)  
}
```

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(171, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4049, 84.1181, 64.5771 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(171, 255, 195) }
```



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

```
.border{ border-color:rgb(171, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4049, 84.1181, 64.5771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 195) }
```

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

```
.background{ background-color: rgb(171,  
255, 195) }
```

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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