

# Converting Colors

XYZ(64.2380, 84.9782, 68.4961)

Have a look what the booklet for  
XYZ(64.2380, 84.9782, 68.4961)  
contains.

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# Color

**XYZ(64.2071, 84.9672,  
68.2746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FFC9
RGB	176, 255, 201
RGB Percent	69%, 100%, 79%
CMY	0.3098, 0.0000, 0.2118
CMYK	0.31, 0.00, 0.21, 0.00
HSL	139°, 100%, 85%
HSV	139°, 31%, 100%
XYZ	64.2071, 84.9672, 68.2746
YIQ	225.2230, -29.7500, -33.5420

# Conversions

## Conversions Part 2

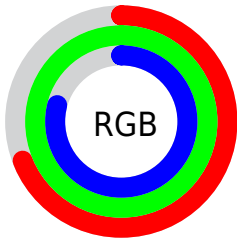
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">176, 236, 255</a>
Decimal	<a href="#">11599817</a>
CIELab	<a href="#">93.87, -34.86, 18.25</a>
CIELCh	<a href="#">94, 39.342, 152.370</a>
Yxy	<a href="#">84.9672, 0.2953, 0.3907</a>
Android (android.graphics.Color)	<a href="#">4289789897 (0xFFB0FFC9)</a>
YUV	<a href="#">225.2230, -11.9419, -43.1686</a>
Hunter-Lab	<a href="#">92.1777, -36.9753, 20.6091</a>

# Details

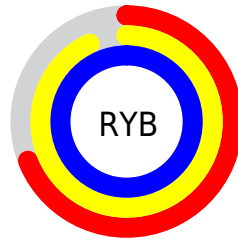
The XYZ color **64.2071, 84.9672, 68.2746** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71.0485, 58.0244, 82.3176**, and the grayscale version is **71.8266, 75.5672, 82.2927**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **33.3457, 46.5597, 34.8332** is the 20% darker color. If you saturate the color by 10%, you get **57.0371, 81.4945, 57.8365**, and if you desaturate by 10%, it is **72.6940, 89.0918, 79.9916**.

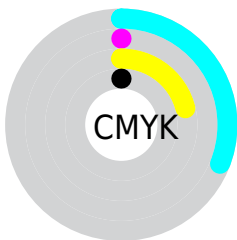
# Distribution



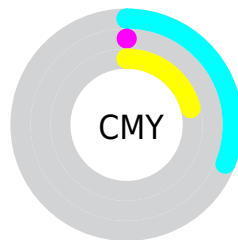
- Red (69%)
- Green (100%)
- Blue (79%)



- Red (69%)
- Yellow (93%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2071, 84.9672, 68.2746 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 64.2071, 84.9672, 68.2746 by changing the saturation by 10% instead.





 64.2071, 84.9672,  
68.2746

 64.2071, 84.9672,  
68.2746


429.5275,  
511.5195, 473.0928

 47.0807, 63.8143,  
49.6531


 109.9812,  
140.3273, 118.4028

 33.3077, 46.5003,  
34.7686


139.3597,  
175.3034, 150.7466

 22.5226, 32.6408,  
23.2025

173.5529,  
215.6559, 188.5016

 14.3602, 21.8514,  
14.5364

212.9262,  
261.7693, 232.0862

 8.4550, 13.7477,  
8.3517

257.8449,  
314.0279, 281.9191

 4.4417, 7.9454,  
4.2298

308.6745,

 1.9549, 4.0601,

372.8163, 338.4188

1.7523

365.7802,  
438.5187, 402.0039

■ 0.6084, 1.7072,  
0.3962

■ 0.0000, 0.4283,  
0.0000

■ 64.2071, 84.9672,  
68.2746

■ 64.2071, 84.9672,  
68.2746

■ 57.0371, 81.4945,  
57.8365

■ 72.6940, 89.0918,  
79.9916

■ 51.1137, 78.6385,  
48.6296

■ 82.5594, 93.8993,  
93.0250

■ 46.3624, 76.3617,  
40.6092

■ 93.8630, 99.4197,  
107.4156

■ 42.7000, 74.6223,  
33.7261

■ 95.0500, 100.0000,  
108.9000

■ 40.0316, 73.3722,  
27.9279

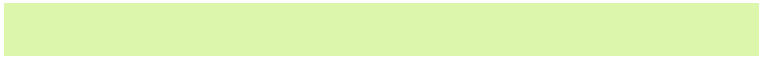
■ 38.2442, 72.5545,  
23.1572

■ 37.2340, 72.1096,  
19.6818

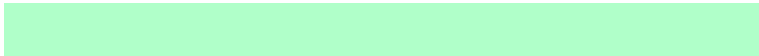
# Harmonies

## Analogous

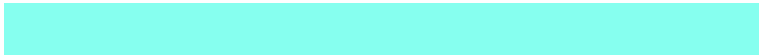
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4551, 84.9672, 51.8701



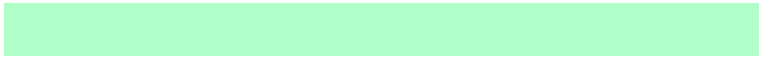
64.2071, 84.9672, 68.2746



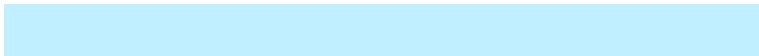
62.2718, 84.9672, 94.9191

# Triad

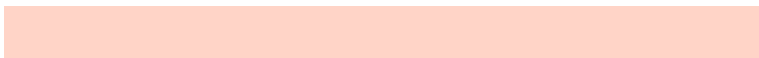
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2071, 84.9672, 68.2746



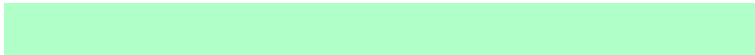
81.5940, 84.9672, 162.8863



98.9791, 84.9672, 64.9581

# Complementary

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



64.2071, 84.9672, 68.2746



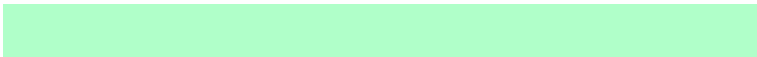
71.0485, 58.0244, 82.3176

# 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.



102.5842, 84.9672, 90.1515



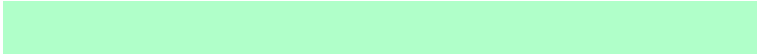
64.2071, 84.9672, 68.2746



92.0210, 84.9672, 150.2400

# Square

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



64.2071, 84.9672, 68.2746



71.7796, 84.9672, 153.5575



99.9354, 84.9672, 121.9047

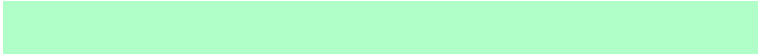


90.4572, 84.9672, 50.2661



# Rectangle

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



64.2071, 84.9672, 68.2746



63.5395, 84.9672, 116.2327



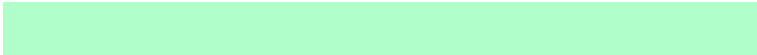
99.9354, 84.9672, 121.9047



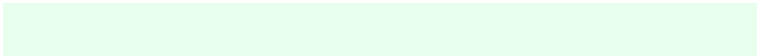
100.8378, 84.9672, 72.2651

# Sweetspot

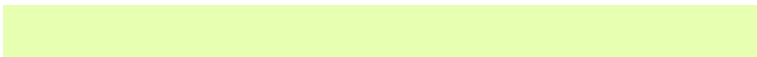
The Sweet Spot groups the original color and five complimentary colors.



64.2077, 84.9674, 68.2760



84.6812, 94.9347, 95.7650



76.6487, 91.6936, 54.7339



17.7903, 20.1565, 20.0655



0.0000, 0.0000, 0.0000

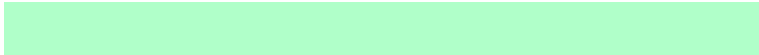


20.3446, 21.4041, 23.3091

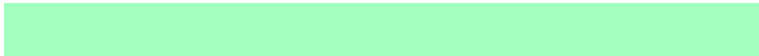


# Same Dimension

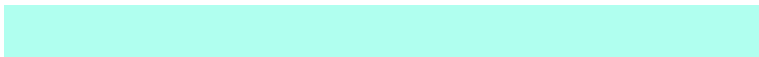
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2077, 84.9674, 68.2760



59.7375, 82.8008, 61.8410



69.2745, 86.9941, 94.9570



18.0084, 20.2629, 20.3471



19.5149, 37.7026, 10.5969



1.9472, 3.6898, 1.2796



# Inverse Universe

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



71.0485, 58.0244, 82.3176



67.5337, 52.0715, 77.8265



66.2581, 56.1083, 57.0916



18.5337, 18.1968, 21.4274



25.6269, 12.7401, 22.4836

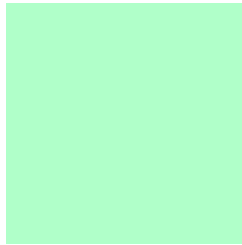


2.5448, 1.2603, 2.4503



# Previews

## White Background



This preview shows how the XYZ color 64.2071, 84.9672, 68.2746 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 64.2071, 84.9672, 68.2746 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

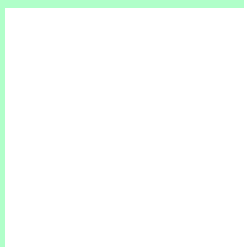
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.2071, 84.9672, 68.2746**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2071, 84.9672, 68.2746.



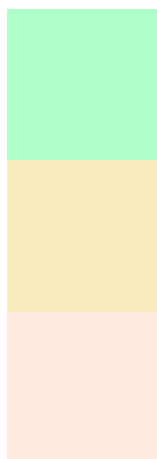
This preview shows how white text looks on a background with the XYZ color 64.2071, 84.9672,

68.2746.

# 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

64.2071, 84.9672, 68.2746

### Protanopia

79.2935, 84.3059, 61.9626

### Deuteranopia

83.1478, 84.1937, 80.2753



## **Tritanopia**

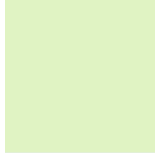
76.0966, 84.2796, 106.8646

# Trichromacy



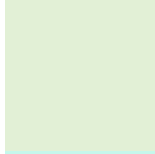
## Original Color

64.2071, 84.9672, 68.2746



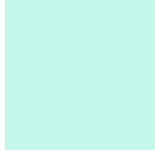
## Protanomaly

72.6414, 83.8886, 63.9933



## Deuteranomaly

74.6617, 83.3440, 75.7702



## Tritanomaly

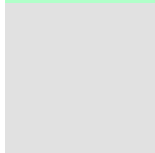
71.2821, 84.3900, 91.1292

# Monochromacy



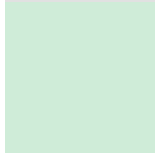
## Original Color

64.2071, 84.9672, 68.2746



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

68.1222, 78.2142, 76.4722

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2071, 84.9672, 68.2746 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(176, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 201)  
}
```

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(176, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2071, 84.9672, 68.2746 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(176, 255, 201) }
```



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

```
.border{ border-color:rgb(176, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2071, 84.9672, 68.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 201) }
```

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

```
.background{ background-color: rgb(176,  
255, 201) }
```

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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