

# Converting Colors

XYZ(90.0585, 131.1472,  
81.4709)

Have a look what the booklet for  
XYZ(90.0585, 131.1472, 81.4709)  
contains.

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# Color

**XYZ(67.8864, 86.7379,  
74.1369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFD2
RGB	187, 255, 210
RGB Percent	73%, 100%, 82%
CMY	0.2667, 0.0000, 0.1765
CMYK	0.27, 0.00, 0.18, 0.00
HSL	140°, 100%, 87%
HSV	140°, 27%, 100%
XYZ	67.8864, 86.7379, 74.1369
YIQ	229.5380, -26.0830, -28.4110

# Conversions

## Conversions Part 2

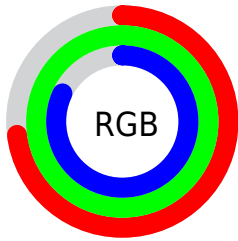
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 238, 255
Decimal	12320722
CIELab	94.63, -29.90, 14.79
CIELCh	95, 33.355, 153.684
Yxy	86.7379, 0.2968, 0.3792
Android (android.graphics.Color)	4290510802 (0xFFBBFFD2)
YUV	229.5380, -9.6322, -37.3058
Hunter-Lab	93.1332, -32.8713, 17.9966

# Details

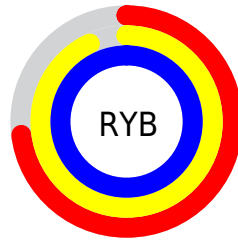
The XYZ color **67.8864, 86.7379, 74.1369** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5762, 62.6277, 84.5543**, and the grayscale version is **74.9549, 78.8583, 85.8767**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.6262, 47.6603, 38.3320** is the 20% darker color. If you saturate the color by 10%, you get **60.1992, 83.0053, 63.3754**, and if you desaturate by 10%, it is **76.9045, 91.1310, 86.1207**.

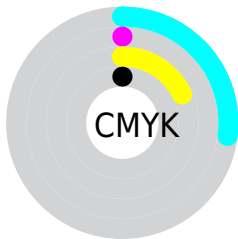
# Distribution



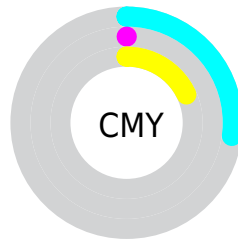
- Red (73%)
- Green (100%)
- Blue (82%)



- Red (73%)
- Yellow (93%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8864, 86.7379, 74.1369 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 67.8864, 86.7379, 74.1369 by changing the saturation by 10% instead.





 67.8864, 86.7379,  
74.1369

 67.8864, 86.7379,  
74.1369


442.4765,  
517.3612, 494.1218

 50.0787, 65.2783,  
54.4086


 115.2324,  
142.7988, 126.8257

 35.6940, 47.6868,  
38.5331


145.5014,  
178.1688, 160.6233

 24.3669, 33.5789,  
26.0916


180.6549,  
218.9445, 199.9477

 15.7322, 22.5703,  
16.6658

221.0581,  
265.5103, 245.2176

 9.4245, 14.2766,  
9.8371

267.0766,  
318.2504, 296.8514

 5.0784, 8.3133,  
5.1869

319.0755,

 2.3286, 4.2960,

377.5493, 355.2676

2.2967

377.4204,  
443.7915, 420.8849

0.8092, 1.8405,  
0.7294

0.0000, 0.5122,  
0.0000

67.8864, 86.7379,  
74.1369

67.8864, 86.7379,  
74.1369

60.1992, 83.0053,  
63.3754

76.9045, 91.1310,  
86.1207

53.7752, 79.8990,  
53.7933

87.3120, 96.2141,  
99.3596

48.5439, 77.3836,  
45.3512

95.0500, 100.0000,  
108.9000

44.4269, 75.4195,  
38.0057

■ 41.3355, 73.9620,  
31.7107

■ 39.1668, 72.9589,  
26.4168

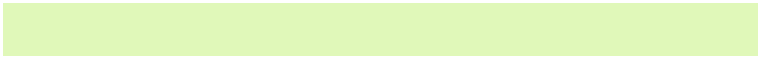
■ 37.7929, 72.3455,  
22.0697

■ 37.4499, 72.1960,  
20.8190

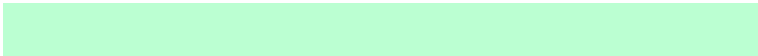
# Harmonies

## Analogous

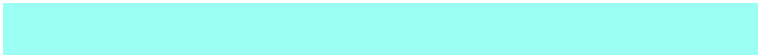
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2141, 86.7379, 58.9231



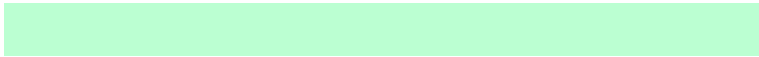
67.8864, 86.7379, 74.1369



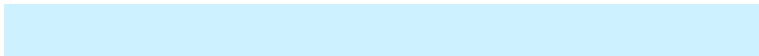
66.3544, 86.7379, 97.6627

# Triad

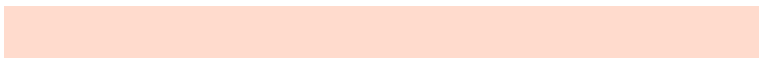
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8864, 86.7379, 74.1369



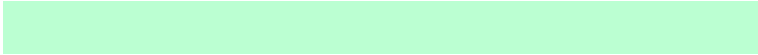
83.5585, 86.7379, 153.0176



97.6915, 86.7379, 69.5423

# Complementary

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



67.8864, 86.7379, 74.1369



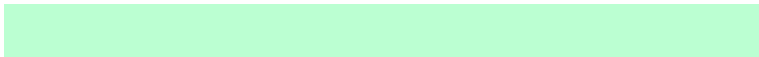
73.5762, 62.6277, 84.5543

# 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.



100.9395, 86.7379, 91.2945



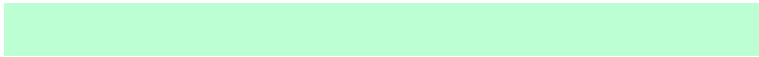
67.8864, 86.7379, 74.1369



92.4139, 86.7379, 141.9610

# Square

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



67.8864, 86.7379, 74.1369



75.0077, 86.7379, 146.1801



98.9418, 86.7379, 118.1543

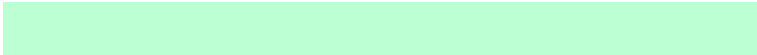


90.3515, 86.7379, 56.6287



# Rectangle

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



67.8864, 86.7379, 74.1369



67.5919, 86.7379, 115.7765



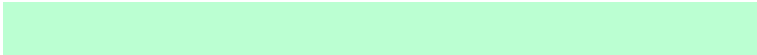
98.9418, 86.7379, 118.1543



99.3214, 86.7379, 75.9053

# Sweetspot

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



67.8871, 86.7383, 74.1383



85.8411, 95.4950, 97.5195



78.1171, 92.3197, 60.7171



18.0250, 20.2695, 20.4349



0.0000, 0.0000, 0.0000

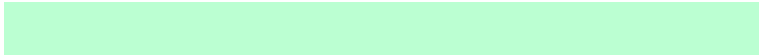


20.3446, 21.4041, 23.3091

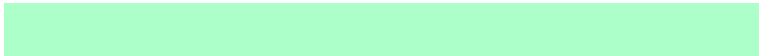


# Same Dimension

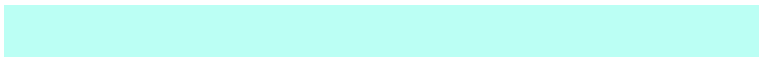
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8871, 86.7383, 74.1383



63.6249, 84.6670, 68.2479



72.5326, 88.5965, 98.6011



18.0250, 20.2695, 20.4349



19.6305, 37.7488, 11.2056



1.9600, 3.6949, 1.3470



# Inverse Universe

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



73.5762, 62.6277, 84.5543



70.1807, 56.8689, 80.2400



69.2425, 60.8942, 61.7332



18.5162, 18.1898, 21.3355



25.3510, 12.6297, 21.0304

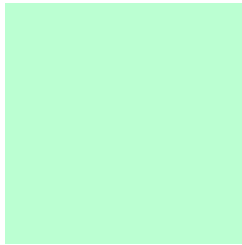


2.5194, 1.2501, 2.3166



# Previews

## White Background



This preview shows how the XYZ color 67.8864, 86.7379, 74.1369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

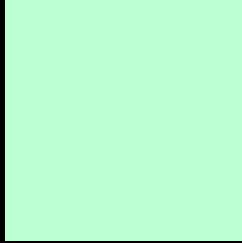
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.8864, 86.7379, 74.1369 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

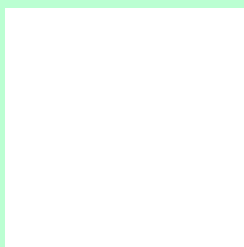
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.8864, 86.7379, 74.1369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.8864, 86.7379, 74.1369.



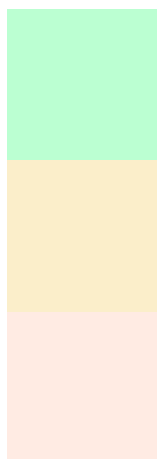
This preview shows how white text looks on a background with the XYZ color 67.8864, 86.7379,

74.1369.

# 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

67.8864, 86.7379, 74.1369

### Protanopia

81.0189, 85.9226, 68.1917

### Deuteranopia

84.8135, 86.2227, 84.8455



## Tritanopia

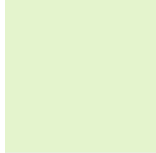
78.7159, 86.0729, 107.0727

# Trichromacy



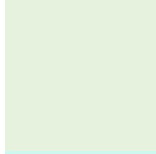
## Original Color

67.8864, 86.7379, 74.1369



## Protanomaly

75.3650, 85.6031, 70.3085



## Deuteranomaly

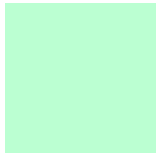
77.4364, 85.5477, 80.8376



## Tritanomaly

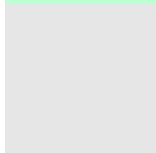
74.2944, 85.8753, 94.3212

# Monochromacy



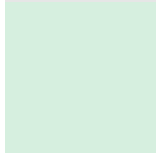
## Original Color

67.8864, 86.7379, 74.1369



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

71.9173, 81.3569, 81.7250

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.8864, 86.7379, 74.1369 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(187, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 210)  
}
```

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(187, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 67.8864, 86.7379, 74.1369 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(187, 255, 210) }
```



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

```
.border{ border-color:rgb(187, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.8864, 86.7379, 74.1369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 210) }
```

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

```
.background{ background-color: rgb(187,  
255, 210) }
```

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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