

# Converting Colors

XYZ(70.8681, 84.5283, 85.8613)

Have a look what the booklet for  
XYZ(70.8681, 84.5283, 85.8613)  
contains.

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# Color

**XYZ(71.1242, 84.8784,  
86.0333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7F8E4
RGB	199, 248, 228
RGB Percent	78%, 97%, 89%
CMY	0.2196, 0.0274, 0.1059
CMYK	0.20, 0.00, 0.08, 0.03
HSL	156°, 78%, 88%
HSV	156°, 20%, 97%
XYZ	71.1242, 84.8784, 86.0333
YIQ	231.0690, -22.7840, -16.6080

# Conversions

## Conversions Part 2

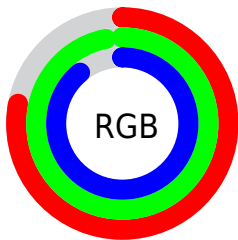
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 230, 248
Decimal	13105380
CIE <sub>Lab</sub>	93.83, -19.47, 4.47
CIE <sub>LCh</sub>	94, 19.976, 167.083
Yxy	84.8784, 0.2939, 0.3507
Android (android.graphics.Color)	4291295460 (0xFFC7F8E4)
YUV	231.0690, -1.5130, -28.1245
Hunter-Lab	92.1295, -23.4241, 9.1238

# Details

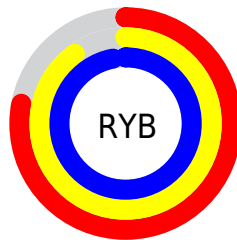
The XYZ color **71.1242, 84.8784, 86.0333** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9240, 65.9200, 75.9546**, and the grayscale version is **76.0320, 79.9916, 87.1109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6752, 46.2080, 46.4685** is the 20% darker color. If you saturate the color by 10%, you get **63.7084, 81.2154, 78.5644**, and if you desaturate by 10%, it is **79.6994, 89.1342, 93.9897**.

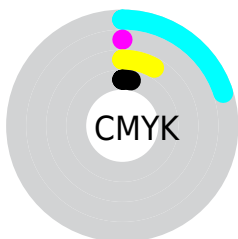
# Distribution



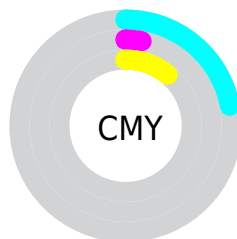
- Red (78%)
- Green (97%)
- Blue (89%)



- Red (78%)
- Yellow (90%)
- Blue (97%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)




- Cyan (22%)
- Magenta (3%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1242, 84.8784, 86.0333 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 71.1242, 84.8784, 86.0333 by changing the saturation by 10% instead.




 71.1242, 84.8784,  
86.0333

 71.1242, 84.8784,  
86.0333


453.6926,  
511.2256, 535.2745

 52.7265, 63.7409,  
64.1405


119.8281,  
140.2033, 143.7029

 37.8110, 46.4409,  
46.3175


150.8650,  
175.1594, 180.3168

 26.0126, 32.5939,  
32.1460


186.8456,  
215.4906, 222.6747

 16.9658, 21.8155,  
21.2073

228.1354,  
261.5812, 271.1952

 10.3053, 13.7214,  
13.0829

275.0996,  
313.8156, 326.2970

 5.6656, 7.9271,  
7.3543

328.1036,

 2.6816, 4.0484,

372.5782, 388.3984

3.6028

387.5128,  
438.2534, 457.9181

■ 0.9877, 1.7007,  
1.4101

■ 0.0000, 0.4241,  
0.1496

■ 71.1242, 84.8784,  
86.0333

■ 71.1242, 84.8784,  
86.0333

■ 63.7084, 81.2154,  
78.5644

■ 79.6994, 89.1342,  
93.9897

■ 57.3917, 78.1073,  
71.5676

■ 89.4766, 93.9977,  
102.4373

■ 52.1187, 75.5282,  
65.0344

■ 92.8590, 95.6180,  
108.1697

■ 47.8265, 73.4455,  
58.9544

■ 44.4447, 71.8235,  
53.3164

■ 41.8933, 70.6208,  
48.1083

■ 40.0772, 69.7887,  
43.3174

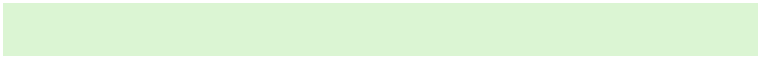
■ 38.8439, 69.2488,  
38.9278

■ 38.8173, 69.2373,  
38.8267

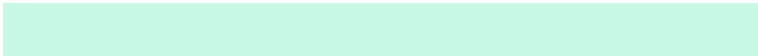
# Harmonies

## Analogous

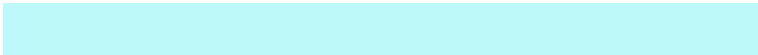
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4241, 84.8784, 73.8989



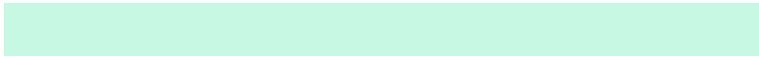
71.1242, 84.8784, 86.0333



71.3010, 84.8784, 101.2789

# Triad

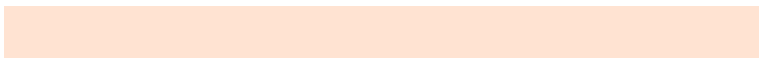
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1242, 84.8784, 86.0333



83.7117, 84.8784, 123.2889



87.8300, 84.8784, 72.6111

# Complementary

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



71.1242, 84.8784, 86.0333



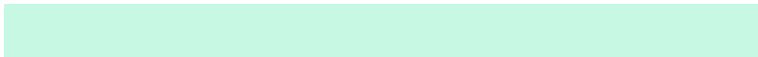
71.9240, 65.9200, 75.9546

# 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.



90.8352, 84.8784, 84.0899



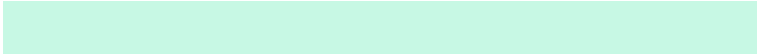
71.1242, 84.8784, 86.0333



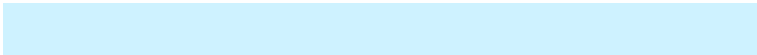
88.3868, 84.8784, 113.7985

# Square

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



71.1242, 84.8784, 86.0333



78.4130, 84.8784, 123.9571



91.0433, 84.8784, 99.1113

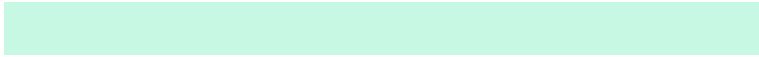


82.9788, 84.8784, 66.7415

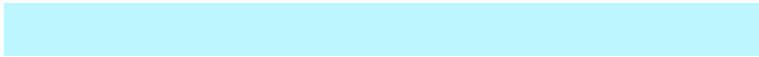


# Rectangle

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



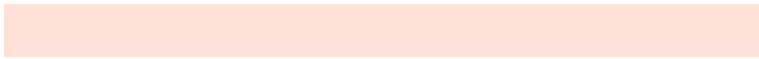
71.1242, 84.8784, 86.0333



72.7985, 84.8784, 111.1992



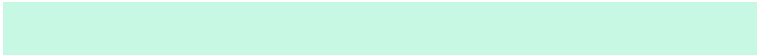
91.0433, 84.8784, 99.1113



89.0987, 84.8784, 75.8806

# Sweetspot

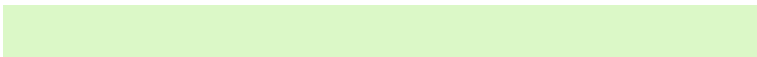
The Sweet Spot groups the original color and five complimentary colors.



71.1266, 84.8819, 86.0352



88.6540, 96.8170, 103.4368



73.2180, 86.3869, 66.8494



18.8327, 20.6518, 22.0149



0.0000, 0.0000, 0.0000

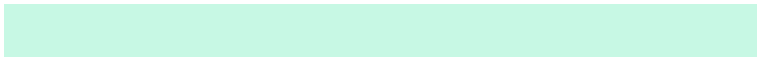


20.3446, 21.4041, 23.3091

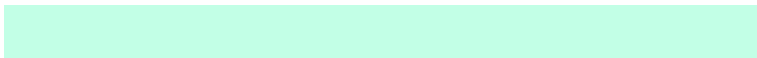


# Same Dimension

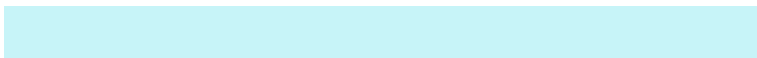
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1266, 84.8819, 86.0352



72.2423, 88.6771, 88.1848



72.8249, 83.5742, 101.1043



17.4485, 19.4817, 20.5621



21.0395, 37.4288, 21.3491



2.0012, 3.4876, 2.2543



# Inverse Universe

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



71.9240, 65.9200, 75.9546



73.2448, 64.8576, 75.5260



70.3985, 66.8334, 63.2238



17.5383, 17.3427, 19.4245



22.2525, 11.3167, 8.0380

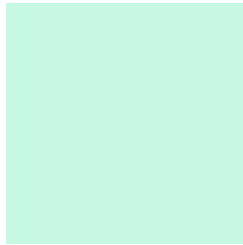


2.1121, 1.0686, 1.0136



# Previews

## White Background



This preview shows how the XYZ color 71.1242, 84.8784, 86.0333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

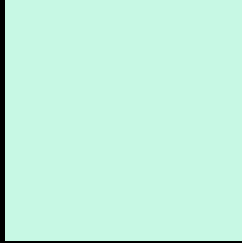
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1242, 84.8784, 86.0333 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

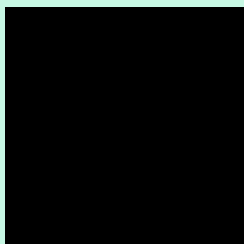
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

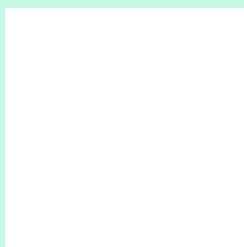
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.1242, 84.8784, 86.0333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1242, 84.8784, 86.0333.



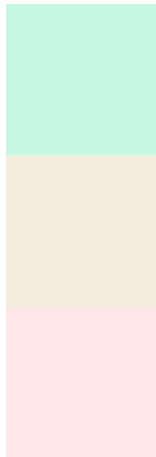
This preview shows how white text looks on a background with the XYZ color 71.1242, 84.8784,



# 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

71.1242, 84.8784, 86.0333

### Protanopia

80.3548, 84.4445, 80.4709

### Deuteranopia

84.5239, 84.2950, 88.9065



## Tritanopia

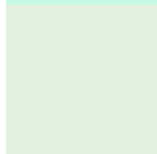
77.5296, 84.5777, 106.8466

# Trichromacy



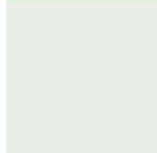
## Original Color

71.1242, 84.8784, 86.0333



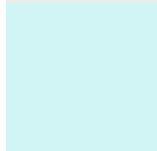
## Protanomaly

76.6095, 84.1960, 82.7347



## Deuteranomaly

78.9689, 84.0001, 87.6528



## Tritanomaly

75.1266, 84.8492, 98.8042

# Monochromacy



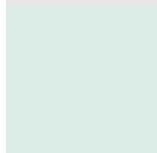
## Original Color

71.1242, 84.8784, 86.0333



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.7805, 81.3416, 86.6748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1242, 84.8784, 86.0333 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(199, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(199, 248, 228)  
}
```

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(199, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 248, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1242, 84.8784, 86.0333 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(199, 248, 228) }
```



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

```
.border{ border-color:rgb(199, 248, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 248, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(199, 248,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1242, 84.8784, 86.0333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 248, 228) }
```

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

```
.background{ background-color: rgb(199,  
248, 228) }
```

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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