

# Converting Colors

XYZ(75.5791, 97.5111, 88.3072)

Have a look what the booklet for  
XYZ(75.5791, 97.5111, 88.3072)  
contains.

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# Color

**XYZ(70.7499, 87.9403,  
86.6440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BDFFE4</a>
RGB	<a href="#">189, 255, 228</a>
RGB Percent	<a href="#">74%, 100%, 89%</a>
CMY	<a href="#">0.2588, 0.0000, 0.1059</a>
CMYK	<a href="#">0.26, 0.00, 0.11, 0.00</a>
HSL	<a href="#">155°, 100%, 87%</a>
HSV	<a href="#">155°, 26%, 100%</a>
XYZ	<a href="#">70.7499, 87.9403, 86.6440</a>
YIQ	<a href="#">232.1880, -30.6690, -22.3890</a>

# Conversions

## Conversions Part 2

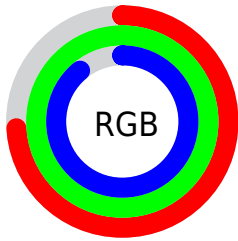
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 230, 255
Decimal	12451812
CIELab	95.14, -25.89, 6.28
CIELCh	95, 26.644, 166.369
Yxy	87.9403, 0.2884, 0.3585
Android (android.graphics.Color)	4290641892 (0xFFBDFFE4)
YUV	232.1880, -2.0647, -37.8759
Hunter-Lab	93.7765, -29.4391, 10.8630

# Details

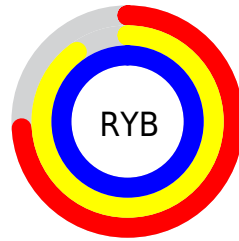
The XYZ color **70.7499, 87.9403, 86.6440** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.8329, 62.6141, 73.2659**, and the grayscale version is **76.8737, 80.8771, 88.0752**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **37.5684, 48.4736, 46.9114** is the 20% darker color. If you saturate the color by 10%, you get **63.5661, 84.3992, 78.9757**, and if you desaturate by 10%, it is **79.1348, 92.0904, 94.8275**.

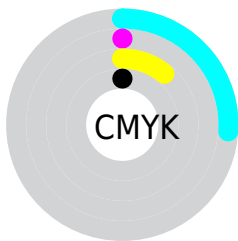
# Distribution



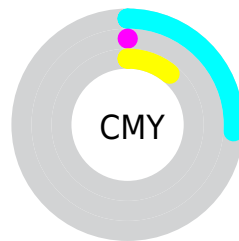
- Red (74%)
- Green (100%)
- Blue (89%)



- Red (74%)
- Yellow (90%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7499, 87.9403, 86.6440 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 70.7499, 87.9403, 86.6440 by changing the saturation by 10% instead.





 70.7499, 87.9403,  
86.6440

 70.7499, 87.9403,  
86.6440


452.4041,  
521.3077, 537.3381

 52.4199, 66.2736,  
64.6427


 119.2980,  
144.4740, 144.5623

 37.5655, 48.4946,  
46.7219


150.2468,  
180.1099, 181.3164

 25.8213, 34.2187,  
32.4631


186.1326,  
221.1709, 223.8252

 16.8220, 23.0617,  
21.4477

227.3208,  
268.0416, 272.5072

 10.2022, 14.6390,  
13.2572

274.1767,  
321.1061, 327.7809

 5.5965, 8.5665,  
7.4731

327.0656,

 2.6396, 4.4595,

380.7491, 390.0650

3.6768

386.3530,  
447.3548, 459.7779

0.9662, 1.9338,  
1.4498

0.0000, 0.5686,  
0.1801

70.7499, 87.9403,  
86.6440

70.7499, 87.9403,  
86.6440

63.5661, 84.3992,  
78.9757

79.1348, 92.0904,  
94.8275

57.5211, 81.4353,  
71.8075

88.7738, 96.8768,  
103.5322

52.5507, 79.0156,  
65.1295

95.0500, 100.0000,  
108.9000

48.5830, 77.1033,  
58.9302

■ 45.5366, 75.6566,  
53.1968

■ 43.3168, 74.6268,  
47.9161

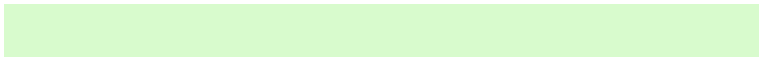
■ 41.8064, 73.9537,  
43.0733

■ 41.3204, 73.7441,  
41.2005

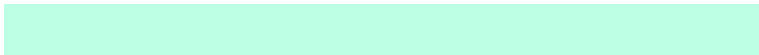
# Harmonies

## Analogous

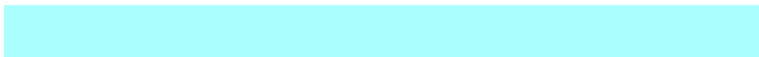
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8907, 87.9403, 70.7508



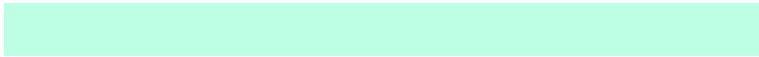
70.7499, 87.9403, 86.6440



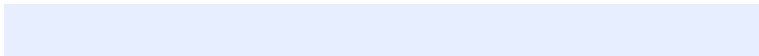
70.9044, 87.9403, 107.4560

# Triad

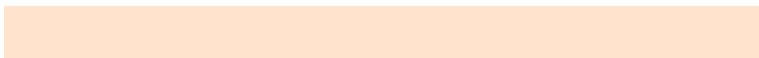
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7499, 87.9403, 86.6440



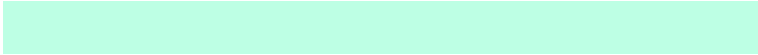
87.5772, 87.9403, 139.4164



93.5822, 87.9403, 69.6532

# Complementary

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



70.7499, 87.9403, 86.6440



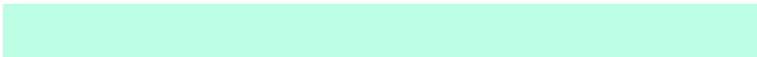
71.8329, 62.6141, 73.2659

# 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.



97.6931, 87.9403, 84.9304



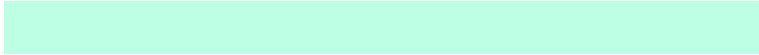
70.7499, 87.9403, 86.6440



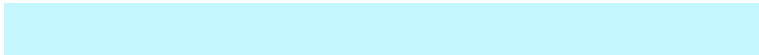
94.0913, 87.9403, 126.0421

# Square

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



70.7499, 87.9403, 86.6440



80.3407, 87.9403, 140.0521



97.8846, 87.9403, 105.4770

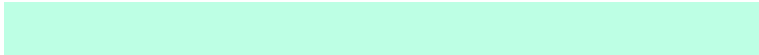


86.9147, 87.9403, 61.9433

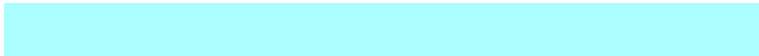


# Rectangle

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



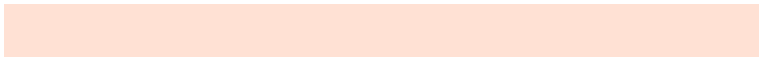
70.7499, 87.9403, 86.6440



72.8498, 87.9403, 121.4445



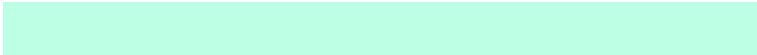
97.8846, 87.9403, 105.4770



95.3254, 87.9403, 73.9656

# Sweetspot

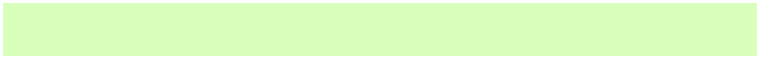
The Sweet Spot groups the original color and five complimentary colors.



70.7507, 87.9407, 86.6454



86.6243, 95.8083, 101.6439



73.4129, 89.8697, 61.6228



18.2220, 20.3483, 21.4721



0.0000, 0.0000, 0.0000

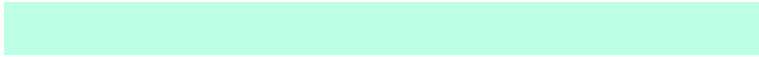


20.3446, 21.4041, 23.3091

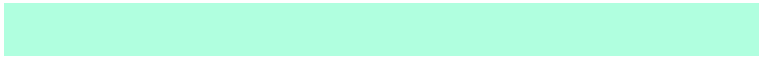


# Same Dimension

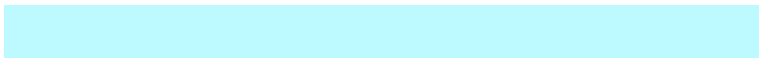
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7507, 87.9407, 86.6454



66.9270, 86.0538, 82.6563



73.0674, 86.1001, 107.3757



18.2220, 20.3483, 21.4721



21.6668, 38.5633, 21.9284



2.1639, 3.7765, 2.4209



# Inverse Universe

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



71.8329, 62.6141, 73.2659



68.1761, 56.8593, 67.2419



69.8293, 63.7417, 56.7685



18.3174, 18.1103, 20.2886



22.9324, 11.6623, 8.2946

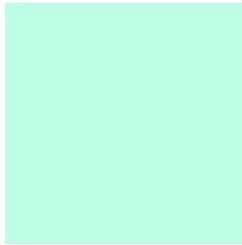


2.2855, 1.1566, 1.0847



# Previews

## White Background



This preview shows how the XYZ color 70.7499, 87.9403, 86.6440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

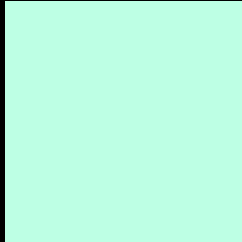
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7499, 87.9403, 86.6440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

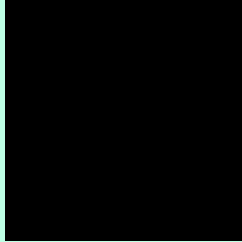
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

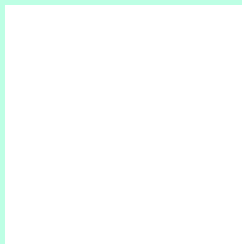
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.7499, 87.9403, 86.6440

## Background



This preview shows how black text looks on a background with the XYZ color 70.7499, 87.9403, 86.6440.



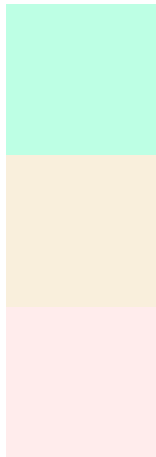
This preview shows how white text looks on a background with the XYZ color 70.7499, 87.9403,

86.6440.

# 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

70.7499, 87.9403, 86.6440

### Protanopia

82.8517, 87.0400, 80.1438

### Deuteranopia

86.3758, 87.3070, 91.6563



## **Tritanopia**

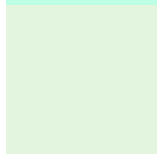
80.2176, 87.7405, 107.3154

# Trichromacy



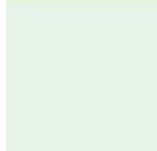
## Original Color

70.7499, 87.9403, 86.6440



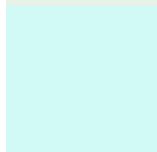
## Protanomaly

77.6502, 86.9634, 82.5051



## Deuteranomaly

79.7136, 86.9733, 89.6770



## Tritanomaly

76.6516, 87.8992, 99.3125

# Monochromacy



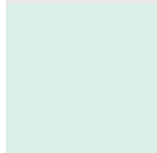
## Original Color

70.7499, 87.9403, 86.6440



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.9028, 82.6886, 87.6667

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7499, 87.9403, 86.6440 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(189, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 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(189, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7499, 87.9403, 86.6440 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".

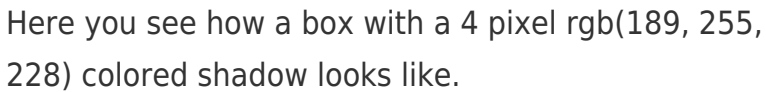
```
.border, #border, table{ border:4px solid rgb(189, 255, 228) }
```



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

```
.border{ border-color:rgb(189, 255, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7499, 87.9403, 86.6440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 228) }
```

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

```
.background{ background-color: rgb(189,  
255, 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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