

# Converting Colors

XYZ(70.8485, 87.9711, 87.5514)

Have a look what the booklet for  
XYZ(70.8485, 87.9711, 87.5514)  
contains.

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# Color

**XYZ(70.8891, 87.9960,  
87.3774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BDFFE5</code>
RGB	189, 255, 229
RGB Percent	74%, 100%, 90%
CMY	0.2588, 0.0000, 0.1020
CMYK	0.26, 0.00, 0.10, 0.00
HSL	156°, 100%, 87%
HSV	156°, 26%, 100%
XYZ	70.8891, 87.9960, 87.3774
YIQ	232.3020, -30.9900, -22.0780

# Conversions

## Conversions Part 2

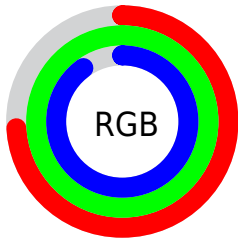
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 230, 255
Decimal	12451813
CIELab	95.16, -25.70, 5.80
CIELCh	95, 26.344, 167.286
Yxy	87.9960, 0.2879, 0.3573
Android (android.graphics.Color)	4290641893 (0xFFBDFFE5)
YUV	232.3020, -1.6279, -37.9759
Hunter-Lab	93.8062, -29.2688, 10.4376

# Details

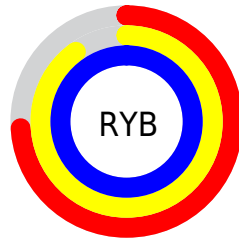
The XYZ color **70.8891, 87.9960, 87.3774** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7038, 62.5624, 72.5867**, and the grayscale version is **76.9561, 80.9638, 88.1696**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **37.6656, 48.5125, 47.4231** is the 20% darker color. If you saturate the color by 10%, you get **63.7478, 84.4718, 79.9329**, and if you desaturate by 10%, it is **79.2253, 92.1266, 95.3043**.

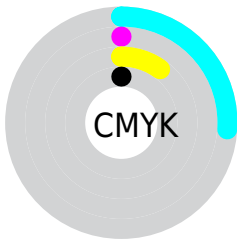
# Distribution



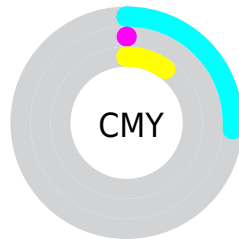
- Red (74%)
- Green (100%)
- Blue (90%)



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



- Cyan (26%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8891, 87.9960, 87.3774 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 70.8891, 87.9960, 87.3774 by changing the saturation by 10% instead.





 70.8891, 87.9960,  
87.3774

 70.8891, 87.9960,  
87.3774


452.8835,  
521.4901, 539.8106

 52.5339, 66.3198,  
65.2462

 119.4952,  
144.5516, 145.5936

 37.6568, 48.5320,  
47.2081


150.4768,  
180.1997, 182.5156

 25.8924, 34.2484,  
32.8447


186.3979,  
221.2739, 225.2049

 16.8754, 23.0845,  
21.7373

227.6239,  
268.1586, 274.0801

 10.2405, 14.6559,  
13.4676

274.5200,  
321.2382, 329.5598

 5.6222, 8.5783,  
7.6168

327.4518,

 2.6552, 4.4671,

380.8971, 392.0624

3.7665

386.7845,  
447.5196, 462.0064

■ 0.9742, 1.9381,  
1.4981

■ 0.0000, 0.5712,  
0.2165

■ 70.8891, 87.9960,  
87.3774

■ 70.8891, 87.9960,  
87.3774

■ 63.7478, 84.4718,  
79.9329

■ 79.2253, 92.1266,  
95.3043

■ 57.7393, 81.5225,  
72.9566

■ 88.8091, 96.8909,  
103.7188

■ 52.7995, 79.1151,  
66.4397

95.0500, 100.0000,  
108.9000

■ 48.8566, 77.2127,  
60.3713

■ 45.8296, 75.7738,  
54.7398

■ 43.6239, 74.7496,  
49.5331

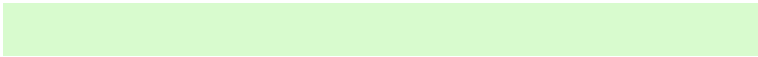
■ 42.1224, 74.0801,  
44.7373

■ 41.6386, 73.8715,  
42.8764

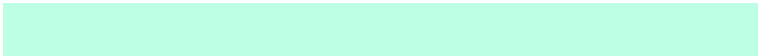
# Harmonies

## Analogous

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



73.9053, 87.9960, 71.4329



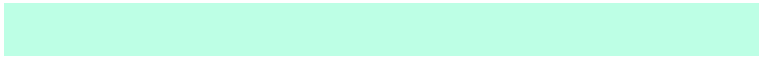
70.8891, 87.9960, 87.3774



71.1445, 87.9960, 108.0384

# Triad

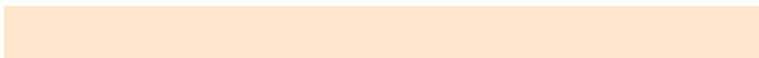
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8891, 87.9960, 87.3774



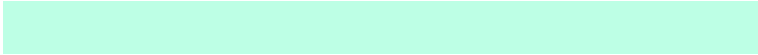
87.8040, 87.9960, 138.7057



93.3491, 87.9960, 69.6164

# Complementary

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



70.8891, 87.9960, 87.3774



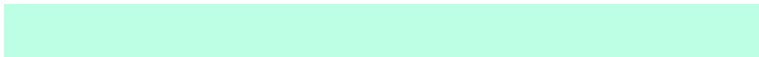
71.7038, 62.5624, 72.5867

# 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.



97.5137, 87.9960, 84.5460



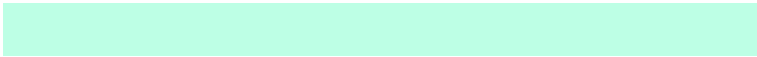
70.8891, 87.9960, 87.3774



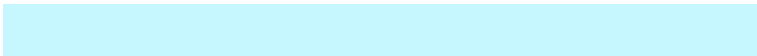
94.1888, 87.9960, 125.1904

# Square

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



70.8891, 87.9960, 87.3774



80.6379, 87.9960, 139.7521



97.8295, 87.9960, 104.7741

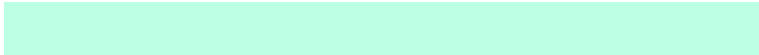


86.7107, 87.9960, 62.2087

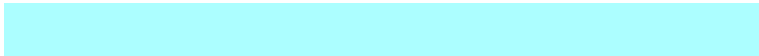


# Rectangle

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



70.8891, 87.9960, 87.3774



73.1346, 87.9960, 121.7954



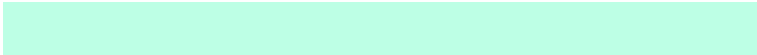
97.8295, 87.9960, 104.7741



95.1008, 87.9960, 73.8159

# Sweetspot

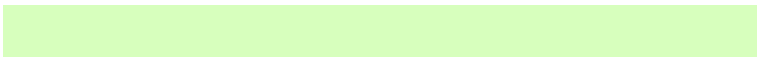
The Sweet Spot groups the original color and five complimentary colors.



70.8899, 87.9963, 87.3788



86.6720, 95.8273, 101.8950



73.0879, 89.7021, 61.6074



18.2340, 20.3531, 21.5354



0.0000, 0.0000, 0.0000

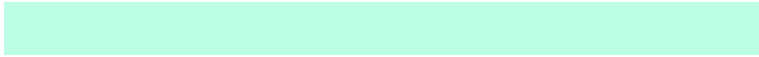


20.3446, 21.4041, 23.3091

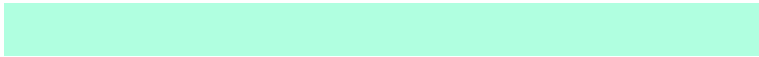


# Same Dimension

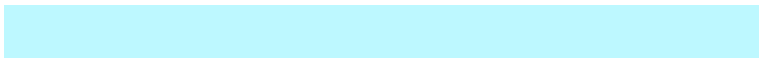
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8899, 87.9963, 87.3788



67.0888, 86.1185, 83.5084



72.7274, 85.4202, 107.2624



18.2340, 20.3531, 21.5354



21.8327, 38.6297, 22.8018



2.1796, 3.7827, 2.5034



# Inverse Universe

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



71.7038, 62.5624, 72.5867



68.0290, 56.8004, 66.4670



70.0758, 64.2347, 56.8505



18.3057, 18.1056, 20.2269



22.8304, 11.6214, 7.7573

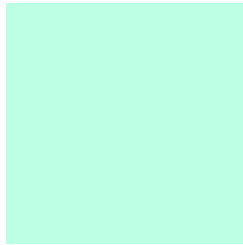


2.2748, 1.1523, 1.0286



# Previews

## White Background



This preview shows how the XYZ color 70.8891, 87.9960, 87.3774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

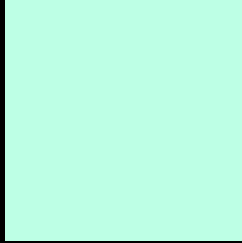
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8891, 87.9960, 87.3774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

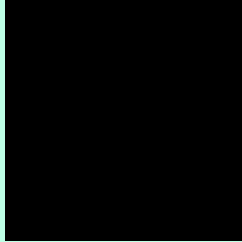
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

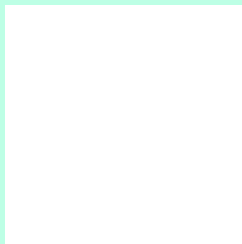
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.8891, 87.9960, 87.3774**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8891, 87.9960, 87.3774.



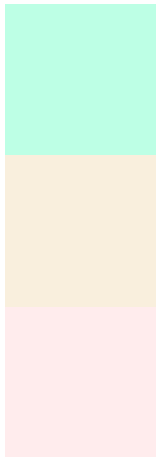
This preview shows how white text looks on a background with the XYZ color 70.8891, 87.9960,

87.3774.

# 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

70.8891, 87.9960, 87.3774

### Protanopia

82.9846, 87.0932, 80.8435

### Deuteranopia

86.5215, 87.3653, 92.4238



## **Tritanopia**

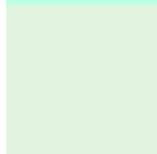
80.2176, 87.7405, 107.3154

# Trichromacy



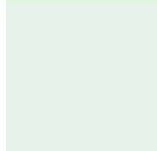
## Original Color

70.8891, 87.9960, 87.3774



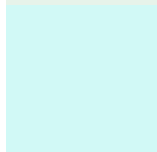
## Protanomaly

77.7855, 87.0175, 83.2173



## Deuteranomaly

79.8569, 87.0306, 90.4316



## Tritanomaly

76.8047, 87.9605, 100.1188

# Monochromacy



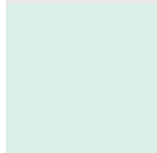
## Original Color

70.8891, 87.9960, 87.3774



## 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 70.8891, 87.9960, 87.3774 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8891, 87.9960, 87.3774 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, 229) }
```



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

```
.border{ border-color:rgb(189, 255, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8891, 87.9960, 87.3774 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, 229) }
```

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

```
.background{ background-color: rgb(189,  
255, 229) }
```

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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