

# Converting Colors

XYZ(70.6448, 82.7305, 87.0250)

Have a look what the booklet for  
XYZ(70.6448, 82.7305, 87.0250)  
contains.

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# Color

**XYZ(70.7210, 82.8320,  
87.1237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F4E6
RGB	201, 244, 230
RGB Percent	79%, 96%, 90%
CMY	0.2118, 0.0431, 0.0980
CMYK	0.18, 0.00, 0.06, 0.04
HSL	160°, 66%, 87%
HSV	160°, 18%, 96%
XYZ	70.7210, 82.8320, 87.1237
YIQ	229.5470, -21.1340, -13.4700

# Conversions

## Conversions Part 2

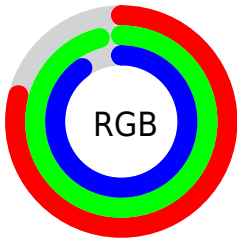
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 227, 244
Decimal	13235430
CIE Lab	92.94, -16.49, 2.15
CIE LCh	93, 16.634, 172.563
Yxy	82.8320, 0.2938, 0.3442
Android (android.graphics.Color)	4291425510 (0xFFC9F4E6)
YUV	229.5470, 0.2233, -25.0357
Hunter-Lab	91.0121, -20.5676, 6.9516

# Details

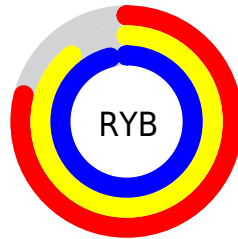
The XYZ color **70.7210, 82.8320, 87.1237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4635, 65.9149, 73.3026**, and the grayscale version is **74.8906, 78.7907, 85.8031**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5751, 45.1726, 47.2962** is the 20% darker color. If you saturate the color by 10%, you get **63.5854, 79.2817, 81.0983**, and if you desaturate by 10%, it is **78.9541, 86.9467, 93.4695**.

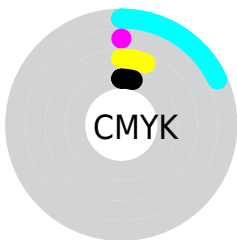
# Distribution



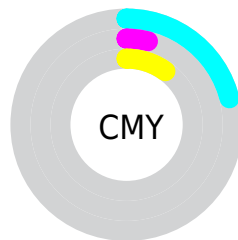
- Red (79%)
- Green (96%)
- Blue (90%)



- Red (79%)
- Yellow (89%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)



- Cyan (21%)
- Magenta (4%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7210, 82.8320, 87.1237 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 70.7210, 82.8320, 87.1237 by changing the saturation by 10% instead.



70.7210, 82.8320,  
87.1237

70.7210, 82.8320,  
87.1237

452.3046,  
504.4264, 538.9560

52.3963, 62.0516,  
65.0374

119.2571,  
137.3401, 145.2369

37.5466, 45.0744,  
47.0398

150.1991,  
171.8366, 182.1009

25.8066, 31.5160,  
32.7126

186.0776,  
211.6739, 224.7279

16.8109, 20.9921,  
21.6370

227.2579,  
257.2365, 273.5363

10.1942, 13.1182,  
13.3947

274.1054,  
308.9086, 328.9448

5.5912, 7.5100,  
7.5670

326.9854,

2.6364, 3.7830,

367.0747, 391.3719

3.7354

386.2634,  
432.1192, 461.2361

■ 0.9645, 1.5530,  
1.4813

■ 0.0000, 0.3256,  
0.2040

■ 70.7210, 82.8320,  
87.1237

■ 70.7210, 82.8320,  
87.1237

■ 63.5854, 79.2817,  
81.0983

■ 78.9541, 86.9467,  
93.4695

■ 57.4905, 76.2599,  
75.3819

■ 88.3242, 91.6393,  
100.1357

■ 52.3849, 73.7424,  
69.9703

■ 91.4558, 93.1098,  
106.7823

■ 48.2101, 71.6990,  
64.8571

■ 91.6422, 93.1844,  
107.7641

■ 44.9008, 70.0963,  
60.0355

■ 42.3833, 68.8963,  
55.4983

■ 40.5707, 68.0543,  
51.2376

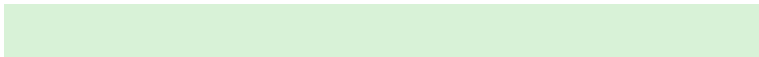
■ 39.3478, 67.5110,  
47.2438

■ 39.1027, 67.4046,  
46.3317

# Harmonies

## Analogous

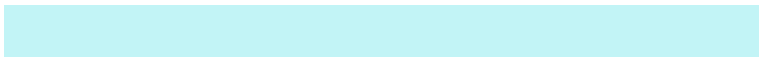
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2711, 82.8320, 76.3939



70.7210, 82.8320, 87.1237



71.2530, 82.8320, 99.6998

# Triad

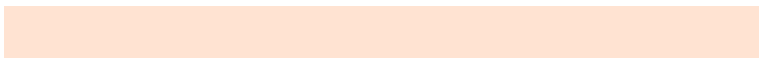
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7210, 82.8320, 87.1237



81.9834, 82.8320, 114.1766



83.9257, 82.8320, 72.4705

# Complementary

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



70.7210, 82.8320, 87.1237



70.4635, 65.9149, 73.3026

# 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.



86.7112, 82.8320, 81.3049



70.7210, 82.8320, 87.1237



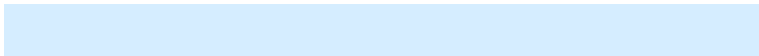
85.5613, 82.8320, 105.5544

# Square

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



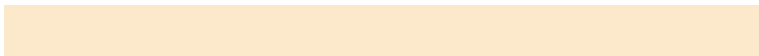
70.7210, 82.8320, 87.1237



77.6513, 82.8320, 116.0976



87.3205, 82.8320, 93.3273



79.8173, 82.8320, 68.4553

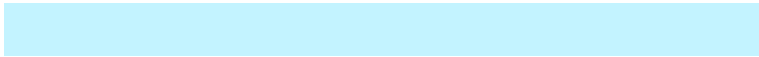


# Rectangle

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



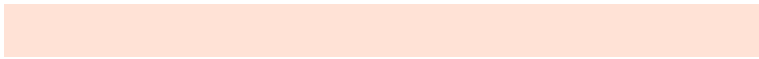
70.7210, 82.8320, 87.1237



72.7263, 82.8320, 107.3878



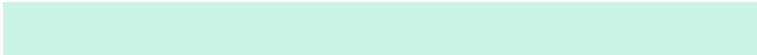
87.3205, 82.8320, 93.3273



85.0539, 82.8320, 74.9339

# Sweetspot

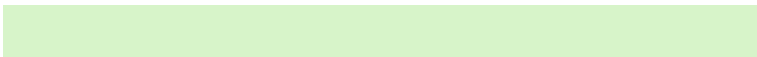
The Sweet Spot groups the original color and five complimentary colors.



70.7233, 82.8355, 87.1255



89.8525, 97.3970, 105.2051



71.0183, 83.4196, 67.6182



19.0813, 20.7715, 22.4086



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

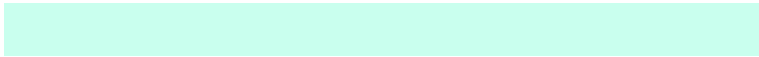


# Same Dimension

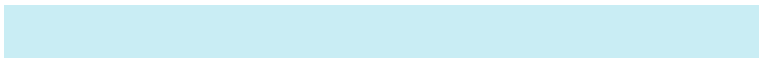
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7233, 82.8355, 87.1255



75.3369, 90.1473, 93.9816



70.6551, 79.4243, 97.1984



16.7538, 18.6607, 19.9877



21.3264, 36.6754, 25.5361



1.9215, 3.2422, 2.4923



# Inverse Universe

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



70.4635, 65.9149, 73.3026



75.0031, 68.3520, 76.1805



70.4500, 68.6455, 64.7965



16.7216, 16.5715, 18.2804



21.1182, 10.7907, 5.3307

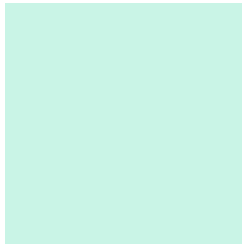


1.9013, 0.9665, 0.7069



# Previews

## White Background



This preview shows how the XYZ color 70.7210, 82.8320, 87.1237 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 70.7210, 82.8320, 87.1237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

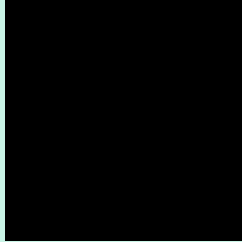
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

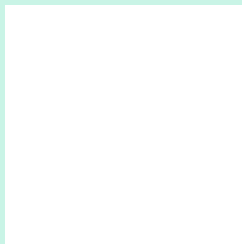
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.7210, 82.8320, 87.1237**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.7210, 82.8320, 87.1237.



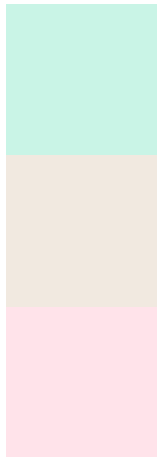
This preview shows how white text looks on a background with the XYZ color 70.7210, 82.8320,

87.1237.

# 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

70.7210, 82.8320, 87.1237

### Protanopia

78.8691, 82.3604, 82.2613

### Deuteranopia

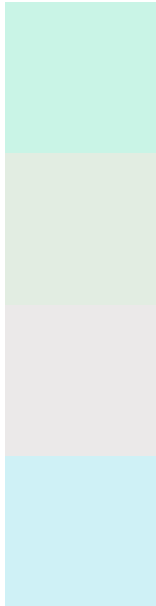
83.5604, 82.1387, 89.2921



## **Tritanopia**

75.7805, 82.8019, 106.5960

# Trichromacy



**Original Color**

70.7210, 82.8320, 87.1237

**Protanomaly**

75.3757, 82.2281, 83.8504

**Deuteranomaly**

78.1078, 81.8232, 88.7675

**Tritanomaly**

73.8220, 82.8298, 99.2857

# Monochromacy



**Original Color**

70.7210, 82.8320, 87.1237

**Achromatopsia**

75.2129, 79.1298, 86.1723

**Achromatomaly**

73.2047, 80.1899, 86.4828

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7210, 82.8320, 87.1237 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(201, 244, 230)` looks like.

```
.text, #text, p{  
    color:rgb(201, 244, 230)  
}
```

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(201, 244, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 244, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7210, 82.8320, 87.1237 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(201, 244, 230) }
```



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

```
.border{ border-color:rgb(201, 244, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 244, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 244, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 244, 230);  
box-shadow:4px 4px 4px 4px rgb(201, 244,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7210, 82.8320, 87.1237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 244, 230) }
```

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

```
.background{ background-color: rgb(201,  
244, 230) }
```

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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