

Converting Colors

XYZ(70.8529, 87.6183, 77.3430)

Have a look what the booklet for
XYZ(70.8529, 87.6183, 77.3430)
contains.

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Color

**XYZ(70.9963, 87.7957,
77.4943)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FED7
RGB	198, 254, 215
RGB Percent	78%, 100%, 84%
CMY	0.2235, 0.0039, 0.1569
CMYK	0.22, 0.00, 0.15, 0.00
HSL	138°, 97%, 89%
HSV	138°, 22%, 100%
XYZ	70.9963, 87.7957, 77.4943
YIQ	232.8100, -20.8570, -24.0010

Conversions

Conversions Part 2

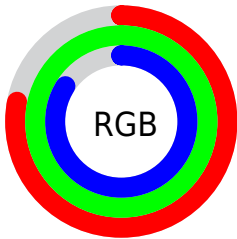
Format	Color
RYB	198, 241, 254
Decimal	13041367
CIELab	95.07, -25.11, 12.94
CIELCh	95, 28.245, 152.729
Yxy	87.7957, 0.3005, 0.3716
Android (android.graphics.Color)	4291231447 (0xFFC6FED7)
YUV	232.8100, -8.7803, -30.5284
Hunter-Lab	93.6994, -28.7239, 16.5536

Details

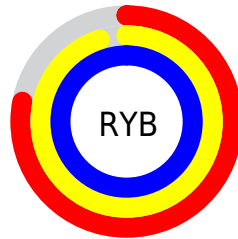
The XYZ color **70.9963, 87.7957, 77.4943** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.3563, 67.5756, 89.1438**, and the grayscale version is **77.3864, 81.4165, 88.6626**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6391, 48.3102, 40.5987** is the 20% darker color. If you saturate the color by 10%, you get **62.7029, 83.7714, 65.8756**, and if you desaturate by 10%, it is **80.6631, 92.5045, 90.4641**.

Distribution



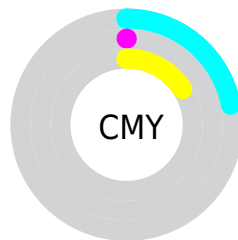
- Red (78%)
- Green (100%)
- Blue (84%)



- Red (78%)
- Yellow (95%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9963, 87.7957, 77.4943 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 70.9963, 87.7957, 77.4943 by changing the saturation by 10% instead.

70.9963, 87.7957,
77.4943

70.9963, 87.7957,
77.4943

453.2525,
520.8340, 505.9301

52.6217, 66.1539,
57.1447

119.6470,
144.2727, 131.6164

37.7271, 48.3973,
40.7113

150.6538,
179.8767, 166.2259

25.9472, 34.1416,
27.7755

186.6021,
220.9035, 206.4258

16.9166, 23.0024,
17.9190

227.8571,
267.7375, 252.6347

10.2700, 14.5953,
10.7230

274.7844,
320.7632, 305.2710

5.6420, 8.5359,
5.7691

327.7491,

2.6672, 4.4397,

380.3649, 364.7533

2.6387

387.1167,
446.9270, 431.5001

■ 0.9803, 1.9224,
0.9123

■ 0.0000, 0.5618,
0.0000

■ 70.9963, 87.7957,
77.4943

■ 70.9963, 87.7957,
77.4943

■ 62.7029, 83.7714,
65.8756

■ 80.6631, 92.5045,
90.4641

■ 55.7119, 80.3885,
55.5585

■ 91.7555, 97.9166,
104.8208

■ 49.9568, 77.6162,
46.4990

■ 94.7335, 99.3670,
108.7945

■ 45.3621, 75.4165,
38.6485

■ 41.8436, 73.7472,
31.9550

■ 39.3051, 72.5597,
26.3627

■ 37.6317, 71.7961,
21.8109

■ 36.7867, 71.4243,
18.8879

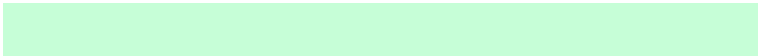
Harmonies

Analogous

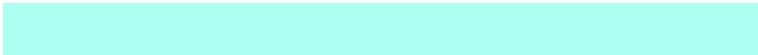
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7142, 87.7957, 64.2450



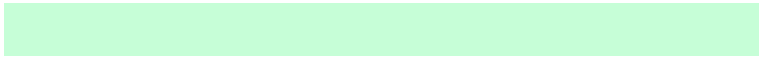
70.9963, 87.7957, 77.4943



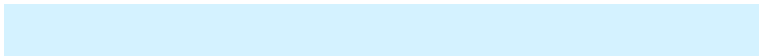
69.5474, 87.7957, 97.6224

Triad

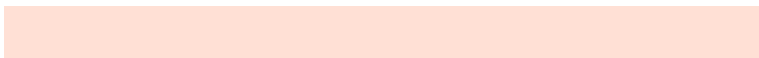
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9963, 87.7957, 77.4943



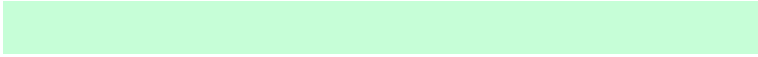
84.1523, 87.7957, 144.3730



96.4981, 87.7957, 74.5014

Complementary

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



70.9963, 87.7957, 77.4943



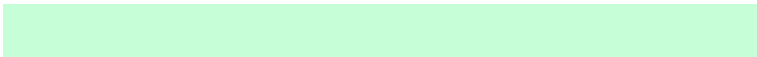
76.3563, 67.5756, 89.1438

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.



99.0856, 87.7957, 93.5950



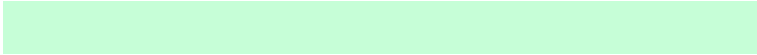
70.9963, 87.7957, 77.4943



91.6895, 87.7957, 135.7735

Square

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



70.9963, 87.7957, 77.4943



76.8613, 87.7957, 138.3338



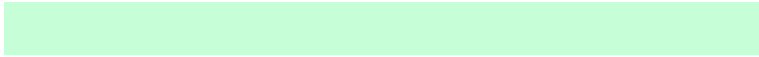
97.2748, 87.7957, 116.3143



90.3989, 87.7957, 62.7124

Rectangle

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



70.9963, 87.7957, 77.4943



70.5530, 87.7957, 112.8857



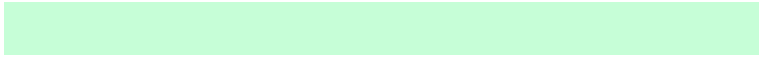
97.2748, 87.7957, 116.3143



97.8237, 87.7957, 80.1660

Sweetspot

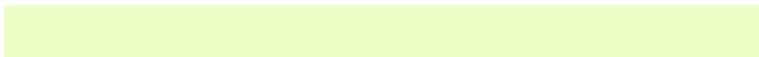
The Sweet Spot groups the original color and five complimentary colors.



70.9987, 87.7994, 77.4963



86.8477, 95.9954, 98.4043



80.6300, 93.0040, 67.1292



18.4449, 20.4767, 20.8759



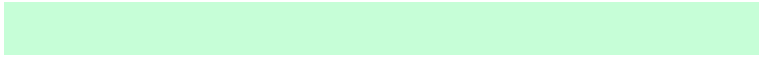
0.0000, 0.0000, 0.0000



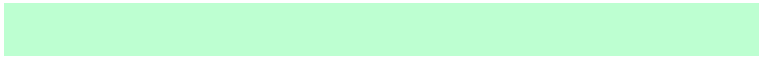
20.3446, 21.4041, 23.3091

Same Dimension

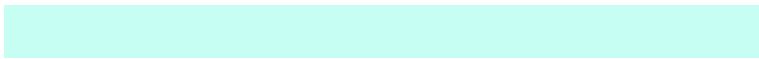
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9987, 87.7994, 77.4963



68.1590, 86.8953, 73.3886



74.8809, 89.3523, 97.9395



17.9985, 20.2589, 20.2952



19.4505, 37.6768, 10.2575



1.9399, 3.6869, 1.2413

Inverse Universe

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



76.3563, 67.5756, 89.1438



74.3504, 63.5172, 86.8435



72.6032, 66.0744, 69.3802



18.5440, 18.2009, 21.4820



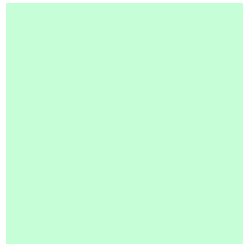
25.7959, 12.8077, 23.3737



2.5603, 1.2665, 2.5318

Previews

White Background



This preview shows how the XYZ color 70.9963, 87.7957, 77.4943 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 70.9963, 87.7957, 77.4943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

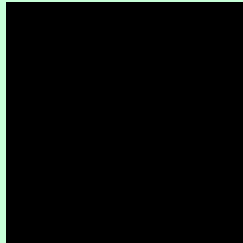
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9963, 87.7957, 77.4943

Background



This preview shows how black text looks on a background with the XYZ color 70.9963, 87.7957, 77.4943.

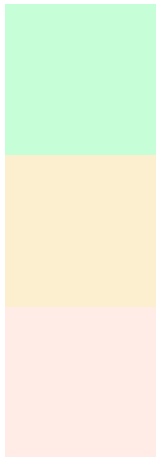


This preview shows how white text looks on a background with the XYZ color 70.9963, 87.7957,

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

70.9963, 87.7957, 77.4943

Protanopia

82.3966, 86.9825, 72.1210

Deuteranopia

85.6593, 87.0204, 87.8832



Tritanopia

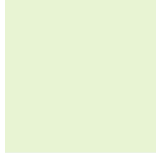
80.8321, 87.6093, 107.2577

Trichromacy



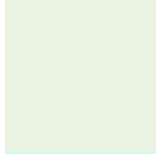
Original Color

70.9963, 87.7957, 77.4943



Protanomaly

77.3873, 86.5603, 74.2571



Deuteranomaly

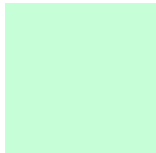
79.5729, 87.0299, 83.8387



Tritanomaly

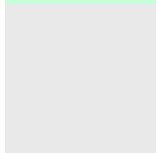
77.0271, 87.7222, 95.3104

Monochromacy



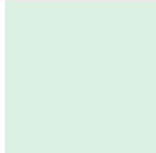
Original Color

70.9963, 87.7957, 77.4943



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6980, 83.6172, 84.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9963, 87.7957, 77.4943 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(198, 254, 215)` looks like.

```
.text, #text, p{  
    color:rgb(198, 254, 215)  
}
```

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(198, 254, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 254, 215) }
```

Border

The CSS property to change the border of an element to XYZ 70.9963, 87.7957, 77.4943 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(198, 254, 215) }
```


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

```
.border{ border-color:rgb(198, 254, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 254, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 254, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 254, 215);  
box-shadow:4px 4px 4px 4px rgb(198, 254,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9963, 87.7957, 77.4943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 254, 215) }
```

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

```
.background{ background-color: rgb(198,  
254, 215) }
```

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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