

Converting Colors

XYZ(88.1923, 122.8647,
89.7015)

Have a look what the booklet for
XYZ(88.1923, 122.8647, 89.7015)
contains.

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Color

**XYZ(70.7004, 87.9782,
83.7762)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BFFFE0 |
| RGB | 191, 255, 224 |
| RGB Percent | 75%, 100%, 88% |
| CMY | 0.2510, 0.0000, 0.1216 |
| CMYK | 0.25, 0.00, 0.12, 0.00 |
| HSL | 151°, 100%, 87% |
| HSV | 151°, 25%, 100% |
| XYZ | 70.7004, 87.9782, 83.7762 |
| YIQ | 232.3300, -28.1930, -23.2090 |

Conversions

Conversions Part 2

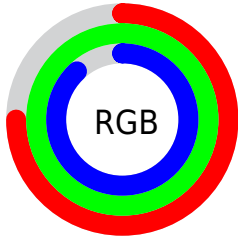
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 191, 233, 255 |
| Decimal | 12582880 |
| CIELab | 95.15, -26.07, 8.37 |
| CIELCh | 95, 27.380, 162.191 |
| Yxy | 87.9782, 0.2916, 0.3629 |
| Android (android.graphics.Color) | 4290772960 (0xFFBFFFE0) |
| YUV | 232.3300, -4.1067, -36.2464 |
| Hunter-Lab | 93.7967, -29.5977, 12.7018 |

Details

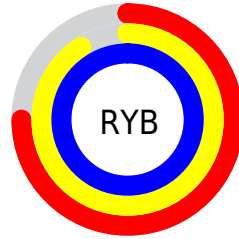
The XYZ color **70.7004, 87.9782, 83.7762** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.0561, 63.7964, 77.5708**, and the grayscale version is **76.9936, 81.0032, 88.2125**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **37.5089, 48.4870, 44.9181** is the 20% darker color. If you saturate the color by 10%, you get **63.2213, 84.3091, 74.9978**, and if you desaturate by 10%, it is **79.4192, 92.2722, 93.2506**.

Distribution



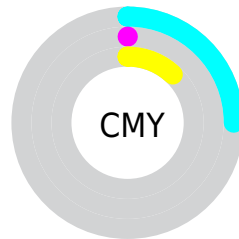
- Red (75%)
- Green (100%)
- Blue (88%)



- Red (75%)
- Yellow (91%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7004, 87.9782, 83.7762 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 70.7004, 87.9782, 83.7762 by changing the saturation by 10% instead.


 70.7004, 87.9782,
83.7762

 70.7004, 87.9782,
83.7762


452.2336,
521.4318, 527.6084

 52.3794, 66.3050,
62.2864


 119.2279,
144.5268, 140.5210

 37.5331, 48.5200,
44.8268


150.1650,
180.1710, 176.6131

 25.7961, 34.2389,
30.9791


186.0383,
221.2410, 218.4096

 16.8030, 23.0772,
20.3246

227.2130,
268.1212, 266.3291

 10.1886, 14.6505,
12.4448

274.0546,
321.1960, 320.7902

 5.5874, 8.5745,
6.9212

326.9283,

 2.6341, 4.4647,

380.8498, 382.2115

3.3351

386.1995,
447.4669, 451.0113

0.9634, 1.9368,
1.2682

0.0000, 0.5703,
0.0355

70.7004, 87.9782,
83.7762

70.7004, 87.9782,
83.7762

63.2213, 84.3091,
74.9978

79.4192, 92.2722,
93.2506

56.9192, 81.2331,
66.8950

89.4314, 97.2187,
103.4325

51.7290, 78.7168,
59.4522

95.0500, 100.0000,
108.9000

47.5784, 76.7233,
52.6518

■ 44.3856, 75.2108,
46.4750

■ 42.0560, 74.1307,
40.9019

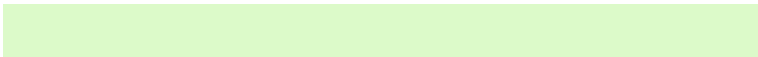
■ 40.4732, 73.4236,
35.9110

■ 39.8899, 73.1720,
33.6678

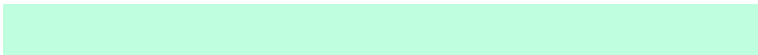
Harmonies

Analogous

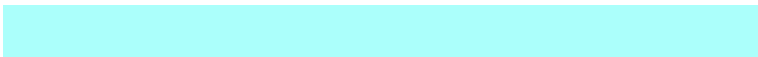
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3571, 87.9782, 68.4790



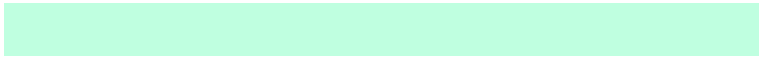
70.7004, 87.9782, 83.7762



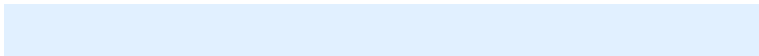
70.3757, 87.9782, 104.7276

Triad

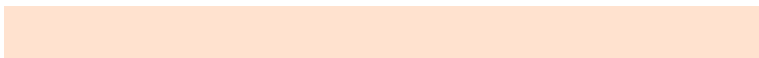
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7004, 87.9782, 83.7762



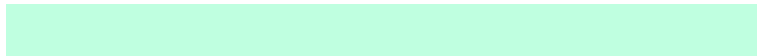
86.6847, 87.9782, 141.7914



94.6989, 87.9782, 70.7797

Complementary

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



70.7004, 87.9782, 83.7762



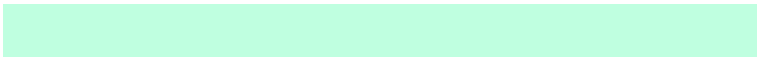
73.0561, 63.7964, 77.5708

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.



98.4312, 87.9782, 87.3822



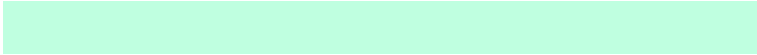
70.7004, 87.9782, 83.7762



93.6233, 87.9782, 129.5481

Square

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



70.7004, 87.9782, 83.7762



79.3120, 87.9782, 140.4427



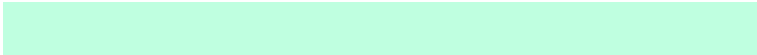
98.0262, 87.9782, 108.9079



88.0826, 87.9782, 61.7786

Rectangle

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



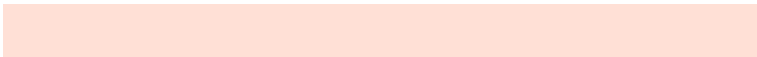
70.7004, 87.9782, 83.7762



72.0653, 87.9782, 119.3738



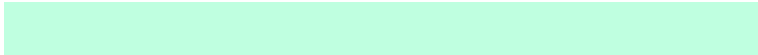
98.0262, 87.9782, 108.9079



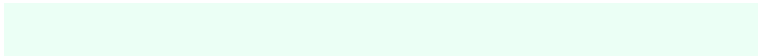
96.3496, 87.9782, 75.5425

Sweetspot

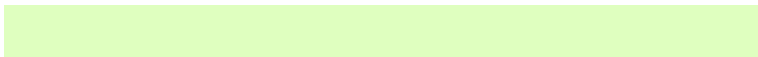
The Sweet Spot groups the original color and five complimentary colors.



70.7012, 87.9786, 83.7776



86.3886, 95.7140, 100.4030



75.5959, 90.9698, 62.8660



18.1626, 20.3246, 21.1594



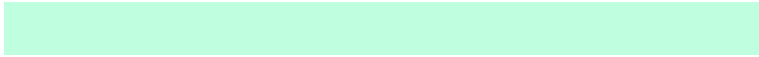
0.0000, 0.0000, 0.0000



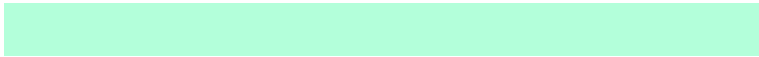
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7012, 87.9786, 83.7776



66.8829, 86.1034, 79.3875



75.2964, 89.8166, 107.9755



18.1626, 20.3246, 21.1594



20.9192, 38.2643, 17.9916



2.0921, 3.7477, 2.0426

Inverse Universe

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



73.0561, 63.7964, 77.5708



69.5971, 58.2349, 72.2358



69.2754, 62.2842, 57.6622



18.3759, 18.1337, 20.5969



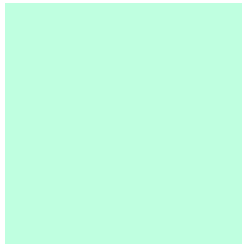
23.5084, 11.8926, 11.3276



2.3438, 1.1799, 1.3921

Previews

White Background



This preview shows how the XYZ color 70.7004, 87.9782, 83.7762 looks on a white background.

Color Contrast Check

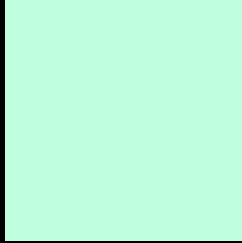
Large Text (above 18pt) WCAG AA × Fail

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 70.7004, 87.9782, 83.7762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

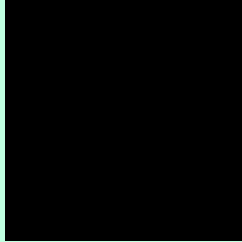
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

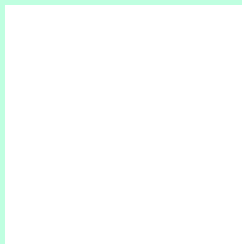
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7004, 87.9782, 83.7762

Background



This preview shows how black text looks on a background with the XYZ color 70.7004, 87.9782, 83.7762.

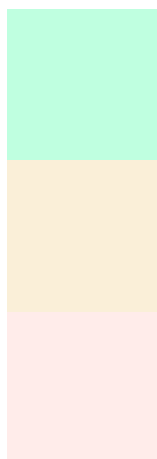


This preview shows how white text looks on a background with the XYZ color 70.7004, 87.9782,

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

70.7004, 87.9782, 83.7762

Protanopia

82.6855, 87.0149, 77.4033

Deuteranopia

86.0867, 87.1914, 90.1343



Tritanopia

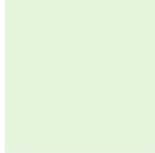
80.5212, 87.8970, 107.3296

Trichromacy



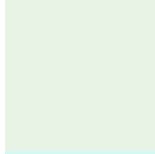
Original Color

70.7004, 87.9782, 83.7762



Protanomaly

77.7517, 87.0773, 79.7275



Deuteranomaly

79.6122, 86.9702, 87.4538



Tritanomaly

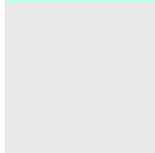
76.7832, 87.9847, 98.5238

Monochromacy



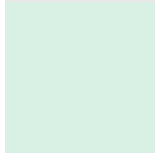
Original Color

70.7004, 87.9782, 83.7762



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.9182, 82.7290, 86.2011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7004, 87.9782, 83.7762 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(191, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 224)  
}
```

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(191, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 70.7004, 87.9782, 83.7762 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(191, 255, 224) }
```


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

```
.border{ border-color:rgb(191, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7004, 87.9782, 83.7762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 224) }
```

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

```
.background{ background-color: rgb(191,  
255, 224) }
```

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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