

Converting Colors

XYZ(70.3034, 87.8928, 78.3713)

Have a look what the booklet for
XYZ(70.3034, 87.8928, 78.3713)
contains.

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Color

**XYZ(70.4028, 87.9472,
78.2306)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFD8
RGB	194, 255, 216
RGB Percent	76%, 100%, 85%
CMY	0.2392, 0.0000, 0.1529
CMYK	0.24, 0.00, 0.15, 0.00
HSL	142°, 100%, 88%
HSV	142°, 24%, 100%
XYZ	70.4028, 87.9472, 78.2306
YIQ	232.3150, -23.8370, -25.0610

Conversions

Conversions Part 2

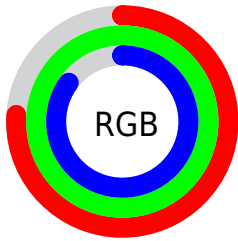
Format	Color
RYB	194, 239, 255
Decimal	12779480
CIELab	95.14, -26.65, 12.49
CIELCh	95, 29.429, 154.891
Yxy	87.9472, 0.2976, 0.3717
Android (android.graphics.Color)	4290969560 (0xFFC2FFD8)
YUV	232.3150, -8.0433, -33.6023
Hunter-Lab	93.7802, -30.1115, 16.1869

Details

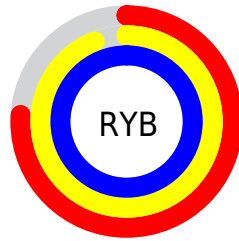
The XYZ color **70.4028, 87.9472, 78.2306** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.2402, 65.7276, 85.8118**, and the grayscale version is **77.0085, 81.0190, 88.2296**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **37.2746, 48.4503, 41.1055** is the 20% darker color. If you saturate the color by 10%, you get **62.4057, 84.0561, 67.3947**, and if you desaturate by 10%, it is **79.7335, 92.5016, 90.2234**.

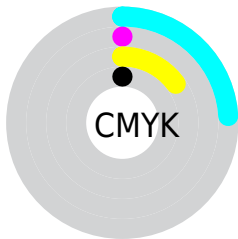
Distribution



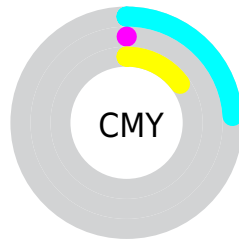
- Red (76%)
- Green (100%)
- Blue (85%)



- Red (76%)
- Yellow (94%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.4028, 87.9472, 78.2306 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 70.4028, 87.9472, 78.2306 by changing the saturation by 10% instead.


 70.4028, 87.9472,
78.2306

 70.4028, 87.9472,
78.2306


451.2074,
521.3303, 508.4983

 52.1358, 66.2793,
57.7459


 118.8061,
144.4836, 132.6640

 37.3380, 48.4992,
41.1910


149.6731,
180.1210, 167.4497

 25.6442, 34.2224,
28.1475


185.4709,
221.1837, 207.8395

 16.6889, 23.0645,
18.1969

226.5646,
268.0561, 254.2518

 10.1069, 14.6411,
10.9205

273.3198,
321.1225, 307.1054

 5.5327, 8.5679,
5.8999

326.1018,

 2.6010, 4.4604,

380.7674, 366.8186

2.7165

385.2759,
447.3752, 433.8100

■ 0.9465, 1.9343,
0.9517

■ 0.0000, 0.5689,
0.0000

■ 70.4028, 87.9472,
78.2306

■ 70.4028, 87.9472,
78.2306

■ 62.4057, 84.0561,
67.3947

■ 79.7335, 92.5016,
90.2234

■ 55.6766, 80.7952,
57.6768

■ 90.4546, 97.7479,
103.4020

■ 50.1474, 78.1302,
49.0420

95.0500, 100.0000,
108.9000

■ 45.7427, 76.0230,
41.4519

■ 42.3779, 74.4306,
34.8659

■ 39.9555, 73.3038,
29.2402

■ 38.3577, 72.5828,
24.5278

■ 37.6905, 72.2922,
22.0858

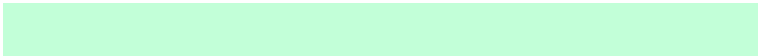
Harmonies

Analogous

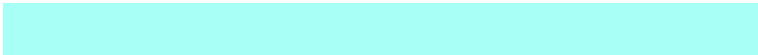
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0849, 87.9472, 63.9370



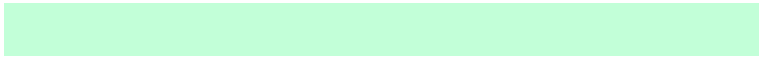
70.4028, 87.9472, 78.2306



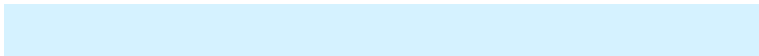
69.1618, 87.9472, 99.5706

Triad

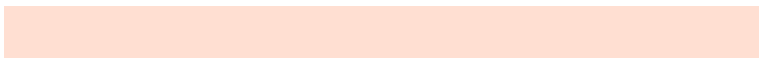
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4028, 87.9472, 78.2306



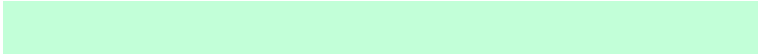
84.9115, 87.9472, 146.7902



96.8752, 87.9472, 72.6739

Complementary

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



70.4028, 87.9472, 78.2306



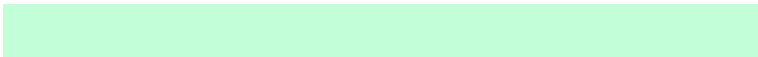
75.2402, 65.7276, 85.8118

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.



99.8996, 87.9472, 92.0470



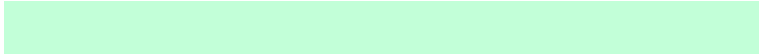
70.4028, 87.9472, 78.2306



92.7168, 87.9472, 136.7002

Square

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



70.4028, 87.9472, 78.2306



77.2227, 87.9472, 141.5249



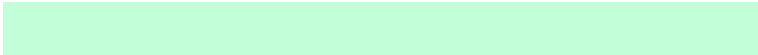
98.3316, 87.9472, 115.7289



90.3005, 87.9472, 61.1063

Rectangle

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



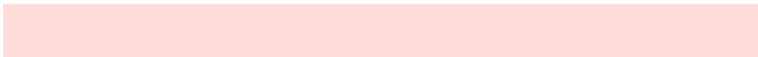
70.4028, 87.9472, 78.2306



70.3807, 87.9472, 115.5559



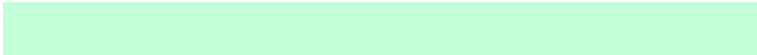
98.3316, 87.9472, 115.7289



98.3592, 87.9472, 78.3640

Sweetspot

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



70.4035, 87.9475, 78.2320



87.0018, 96.0570, 99.2157



79.3149, 92.8485, 64.7812



18.4805, 20.4909, 21.0635



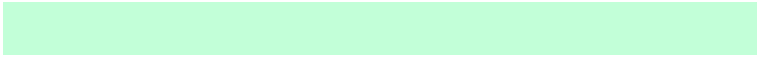
0.0000, 0.0000, 0.0000



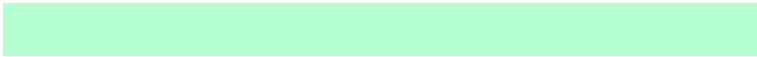
20.3446, 21.4041, 23.3091

Same Dimension

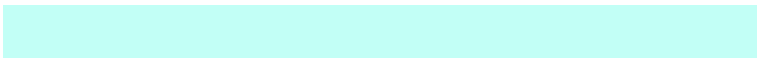
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4035, 87.9475, 78.2320



66.1787, 85.8902, 72.5855



74.6202, 89.6342, 100.4366



18.0423, 20.2764, 20.5255



19.7589, 37.8001, 11.8814



1.9739, 3.7005, 1.4205

Inverse Universe

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



75.2402, 65.7276, 85.8118



71.8233, 59.9478, 81.4237



71.3298, 64.1634, 65.2200



18.4983, 18.1826, 21.2412



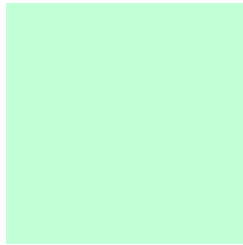
25.0785, 12.5207, 19.5958



2.4941, 1.2400, 2.1836

Previews

White Background



This preview shows how the XYZ color 70.4028, 87.9472, 78.2306 looks on a white background.

Color Contrast Check

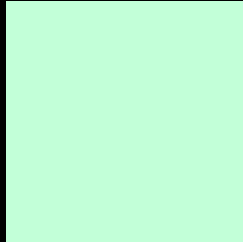
Large Text (above 18pt) WCAG AA × Fail

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 70.4028, 87.9472, 78.2306 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

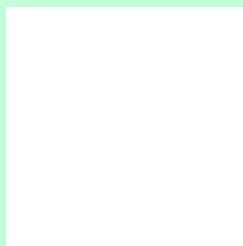
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4028, 87.9472, 78.2306

Background



This preview shows how black text looks on a background with the XYZ color 70.4028, 87.9472, 78.2306.



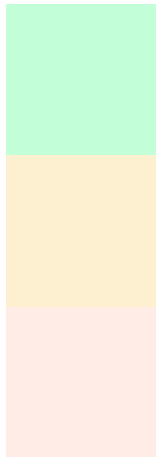
This preview shows how white text looks on a background with the XYZ color 70.4028, 87.9472,

78.2306.

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

70.4028, 87.9472, 78.2306

Protanopia

82.6901, 87.5697, 72.2189

Deuteranopia

85.6593, 87.0204, 87.8832



Tritanopia

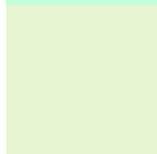
80.5249, 87.4510, 107.2434

Trichromacy



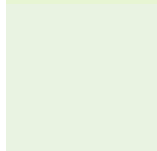
Original Color

70.4028, 87.9472, 78.2306



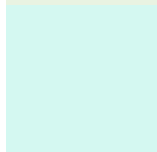
Protanomaly

77.3653, 86.9969, 74.3425



Deuteranomaly

79.3823, 86.9158, 84.5440



Tritanomaly

76.5960, 87.4827, 96.0679

Monochromacy



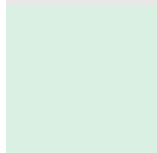
Original Color

70.4028, 87.9472, 78.2306



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.8010, 82.7166, 84.0277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4028, 87.9472, 78.2306 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(194, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 216)  
}
```

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(194, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 70.4028, 87.9472, 78.2306 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(194, 255, 216) }
```


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

```
.border{ border-color:rgb(194, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4028, 87.9472, 78.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 216) }
```

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

```
.background{ background-color: rgb(194,  
255, 216) }
```

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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