

Converting Colors

XYZ(70.7035, 88.0543, 80.4120)

Have a look what the booklet for
XYZ(70.7035, 88.0543, 80.4120)
contains.

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Color

**XYZ(70.7943, 88.1038,
80.2923)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFDB
RGB	194, 255, 219
RGB Percent	76%, 100%, 86%
CMY	0.2392, 0.0000, 0.1412
CMYK	0.24, 0.00, 0.14, 0.00
HSL	145°, 100%, 88%
HSV	145°, 24%, 100%
XYZ	70.7943, 88.1038, 80.2923
YIQ	232.6570, -24.8000, -24.1280

Conversions

Conversions Part 2

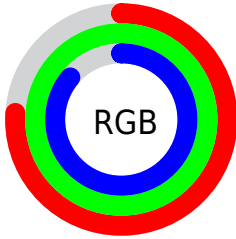
Format	Color
RYB	194, 237, 255
Decimal	12779483
CIELab	95.20, -26.10, 11.04
CIElCh	95, 28.335, 157.065
Yxy	88.1038, 0.2960, 0.3683
Android (android.graphics.Color)	4290969563 (0xFFC2FFDB)
YUV	232.6570, -6.7329, -33.9022
Hunter-Lab	93.8636, -29.6322, 14.9870

Details

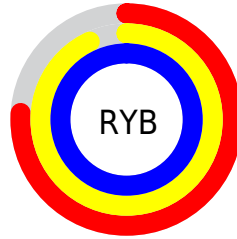
The XYZ color **70.7943, 88.1038, 80.2923** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.8151, 65.5576, 83.5735**, and the grayscale version is **77.2562, 81.2796, 88.5135**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **37.5424, 48.5575, 42.5158** is the 20% darker color. If you saturate the color by 10%, you get **62.9090, 84.2574, 70.0450**, and if you desaturate by 10%, it is **79.9832, 92.6015, 91.5385**.

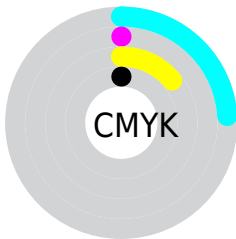
Distribution



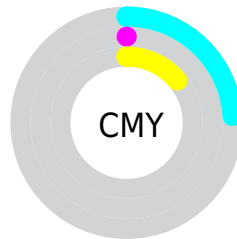
- Red (76%)
- Green (100%)
- Blue (86%)



- Red (76%)
- Yellow (93%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7943, 88.1038, 80.2923 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 70.7943, 88.1038, 80.2923 by changing the saturation by 10% instead.


 70.7943, 88.1038,
80.2923

 70.7943, 88.1038,
80.2923


452.5571,
521.8431, 515.6501

 52.4563, 66.4090,
59.4313


 119.3609,
144.7017, 135.5917

 37.5946, 48.6045,
42.5381

150.3202,
180.3735, 170.8673

 25.8440, 34.3059,
29.1942


186.2173,
221.4733, 211.7847

 16.8390, 23.1287,
18.9809

227.4175,
268.3852, 258.7627

 10.2144, 14.6885,
11.4798

274.2862,
321.4938, 312.2197

 5.6047, 8.6011,
6.2723

327.1888,

 2.6446, 4.4819,

381.1833, 372.5742

2.9399

386.4907,
447.8383, 440.2448

■ 0.9687, 1.9466,
1.0640

■ 0.0000, 0.5762,
0.0000

■ 70.7943, 88.1038,
80.2923

■ 70.7943, 88.1038,
80.2923

■ 62.9090, 84.2574,
70.0450

■ 79.9832, 92.6015,
91.5385

■ 56.2629, 81.0298,
60.7647

■ 90.5313, 97.7786,
103.8057

■ 50.7896, 78.3871,
52.4239

■ 95.0500, 100.0000,
108.9000

■ 46.4151, 76.2919,
44.9925

■ 43.0563, 74.7020,
38.4383

■ 40.6177, 73.5687,
32.7271

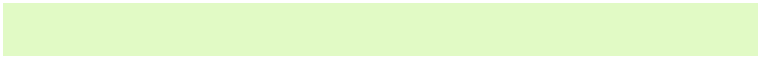
■ 38.9832, 72.8330,
27.8220

■ 38.2848, 72.5299,
25.2153

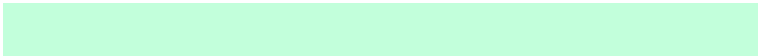
Harmonies

Analogous

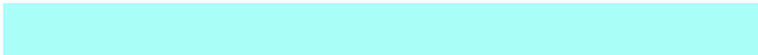
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1043, 88.1038, 65.8368



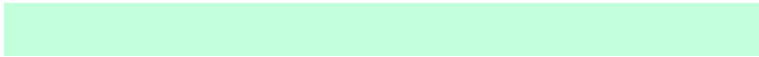
70.7943, 88.1038, 80.2923



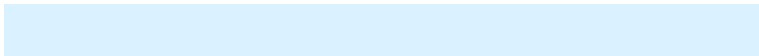
69.8497, 88.1038, 101.2569

Triad

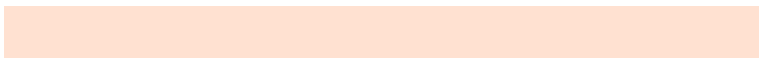
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7943, 88.1038, 80.2923



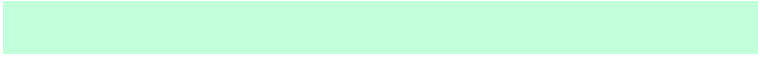
85.5799, 88.1038, 144.6318



96.1580, 88.1038, 72.5110

Complementary

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



70.7943, 88.1038, 80.2923



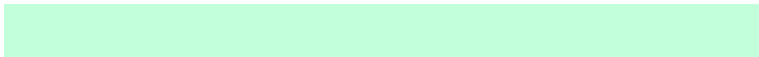
74.8151, 65.5576, 83.5735

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.



99.3596, 88.1038, 90.7934



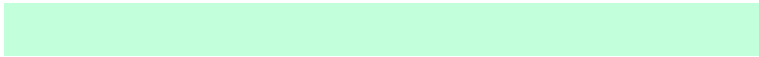
70.7943, 88.1038, 80.2923



93.0136, 88.1038, 134.0277

Square

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



70.7943, 88.1038, 80.2923



78.0852, 88.1038, 140.6723



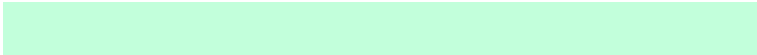
98.1749, 88.1038, 113.4768



89.6615, 88.1038, 61.8500

Rectangle

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



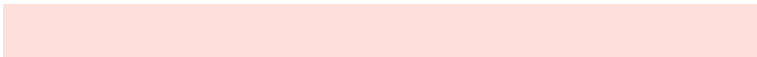
70.7943, 88.1038, 80.2923



71.1995, 88.1038, 116.6124



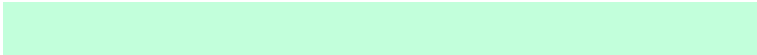
98.1749, 88.1038, 113.4768



97.6729, 88.1038, 77.8503

Sweetspot

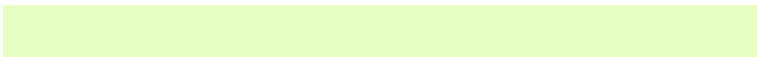
The Sweet Spot groups the original color and five complimentary colors.



70.7951, 88.1042, 80.2937



87.1351, 96.1103, 99.9179



78.3241, 92.3377, 64.7349



18.5113, 20.5032, 21.2259



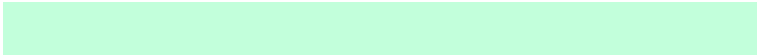
0.0000, 0.0000, 0.0000



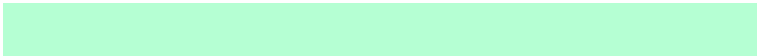
20.3446, 21.4041, 23.3091

Same Dimension

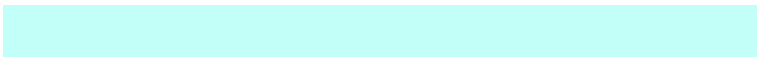
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7951, 88.1042, 80.2937



66.6307, 86.0710, 74.9654



75.0919, 89.8229, 102.9207



18.0802, 20.2916, 20.7253



20.0743, 37.9263, 13.5426



2.0072, 3.7138, 1.5958

Inverse Universe

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



74.8151, 65.5576, 83.5735



71.3226, 59.7475, 78.7871



70.9694, 64.0193, 63.3224



18.4592, 18.1670, 21.0353



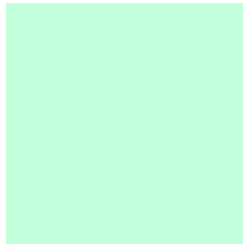
24.5219, 12.2980, 16.6646



2.4419, 1.2191, 1.9085

Previews

White Background



This preview shows how the XYZ color 70.7943, 88.1038, 80.2923 looks on a white background.

Color Contrast Check

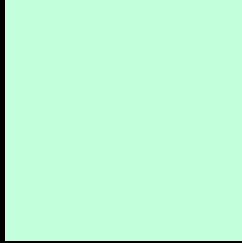
Large Text (above 18pt) WCAG AA × Fail

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 70.7943, 88.1038, 80.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

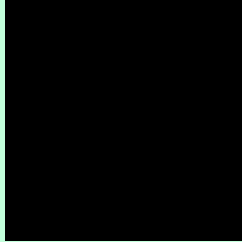
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

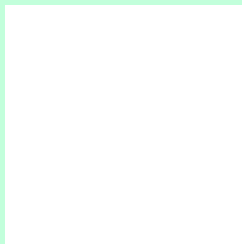
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7943, 88.1038, 80.2923

Background



This preview shows how black text looks on a background with the XYZ color 70.7943, 88.1038, 80.2923.

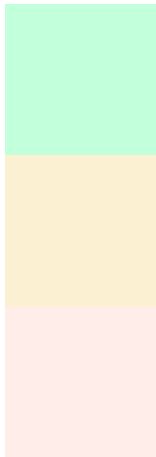


This preview shows how white text looks on a background with the XYZ color 70.7943, 88.1038,

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

70.7943, 88.1038, 80.2923

Protanopia

83.0628, 87.7188, 74.1816

Deuteranopia

86.2322, 87.7116, 89.4759



Tritanopia

80.5249, 87.4510, 107.2434

Trichromacy



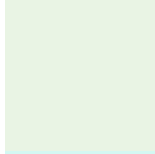
Original Color

70.7943, 88.1038, 80.2923



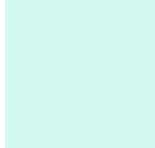
Protanomaly

77.7450, 87.1488, 76.3421



Deuteranomaly

79.9585, 87.6264, 86.0981



Tritanomaly

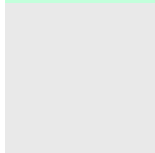
76.7458, 87.5427, 96.8569

Monochromacy



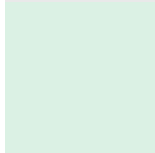
Original Color

70.7943, 88.1038, 80.2923



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6723, 83.5721, 85.5942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7943, 88.1038, 80.2923 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 70.7943, 88.1038, 80.2923 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, 219) }
```


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

```
.border{ border-color:rgb(194, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7943, 88.1038, 80.2923 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, 219) }
```

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

```
.background{ background-color: rgb(194,  
255, 219) }
```

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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