

Converting Colors

XYZ(70.8901, 88.0836, 83.4398)

Have a look what the booklet for
XYZ(70.8901, 88.0836, 83.4398)
contains.

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Color

**XYZ(70.9528, 88.1083,
83.7880)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FFE0
RGB	192, 255, 224
RGB Percent	75%, 100%, 88%
CMY	0.2471, 0.0000, 0.1216
CMYK	0.25, 0.00, 0.12, 0.00
HSL	150°, 100%, 88%
HSV	150°, 25%, 100%
XYZ	70.9528, 88.1083, 83.7880
YIQ	232.6290, -27.5970, -22.9970

Conversions

Conversions Part 2

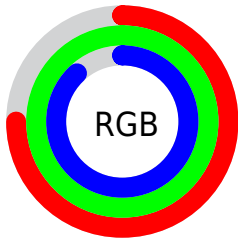
Format	Color
RYB	192, 234, 255
Decimal	12648416
CIELab	95.21, -25.77, 8.46
CIELCh	95, 27.119, 161.822
Yxy	88.1083, 0.2922, 0.3628
Android (android.graphics.Color)	4290838496 (0xFFC0FFE0)
YUV	232.6290, -4.2541, -35.6316
Hunter-Lab	93.8660, -29.3384, 12.7819

Details

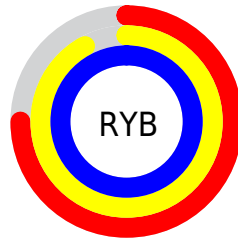
The XYZ color **70.9528, 88.1083, 83.7880** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.4094, 64.2880, 78.3519**, and the grayscale version is **77.2188, 81.2401, 88.4705**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **37.6720, 48.5711, 44.9258** is the 20% darker color. If you saturate the color by 10%, you get **63.4064, 84.4074, 74.8777**, and if you desaturate by 10%, it is **79.7451, 92.4369, 93.4150**.

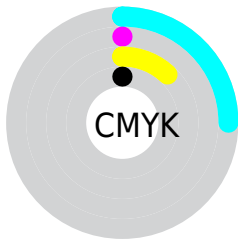
Distribution



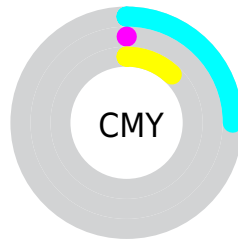
- Red (75%)
- Green (100%)
- Blue (88%)



- Red (75%)
- Yellow (92%)
- 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 70.9528, 88.1083, 83.7880 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 70.9528, 88.1083, 83.7880 by changing the saturation by 10% instead.

 70.9528, 88.1083,
83.7880

 70.9528, 88.1083,
83.7880


453.1028,
521.8578, 527.6486

 52.5861, 66.4128,
62.2960


 119.5854,
144.7079, 140.5377

 37.6986, 48.6076,
44.8346


150.5820,
180.3808, 176.6325

 25.9250, 34.3083,
30.9852

186.5192,
221.4816, 218.4319

 16.8999, 23.1305,
20.3292

227.7625,
268.3947, 266.3546

 10.2580, 14.6899,
12.4481

274.6771,
321.5044, 320.8191

 5.6339, 8.6020,
6.9234

327.6285,

 2.6623, 4.4825,

381.1953, 382.2439

3.3365

386.9819,
447.8516, 451.0476

■ 0.9778, 1.9470,
1.2689

■ 0.0000, 0.5764,
0.0361

■ 70.9528, 88.1083,
83.7880

■ 70.9528, 88.1083,
83.7880

■ 63.4064, 84.4074,
74.8777

■ 79.7451, 92.4369,
93.4150

■ 57.0429, 81.3021,
66.6629

■ 89.8369, 97.4207,
103.7706

■ 51.7977, 78.7595,
59.1275

95.0500, 100.0000,
108.9000

■ 47.5984, 76.7425,
52.2529

■ 44.3636, 75.2095,
46.0198

■ 41.9991, 74.1123,
40.4076

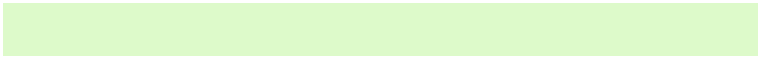
■ 40.3896, 73.3919,
35.3937

■ 39.7576, 73.1190,
32.9711

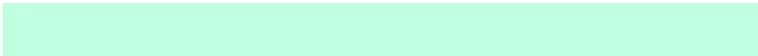
Harmonies

Analogous

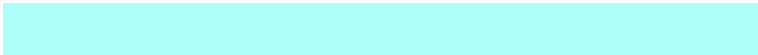
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6193, 88.1083, 68.6846



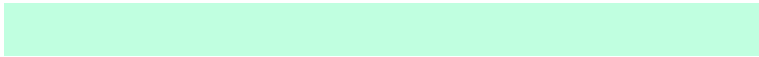
70.9528, 88.1083, 83.7880



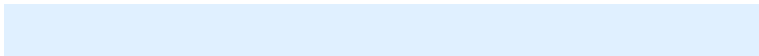
70.5883, 88.1083, 104.5190

Triad

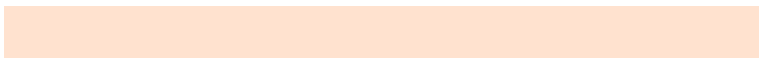
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9528, 88.1083, 83.7880



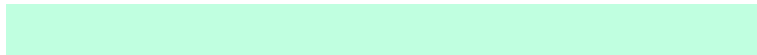
86.6903, 88.1083, 141.5489



94.7894, 88.1083, 71.2701

Complementary

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



70.9528, 88.1083, 83.7880



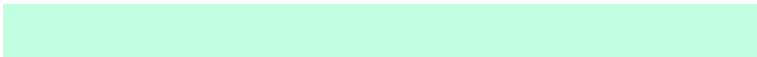
73.4094, 64.2880, 78.3519

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.



98.4411, 88.1083, 87.8342



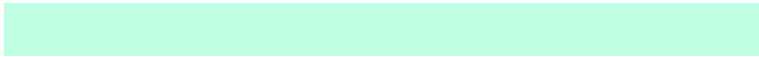
70.9528, 88.1083, 83.7880



93.5844, 88.1083, 129.5802

Square

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



70.9528, 88.1083, 83.7880



79.3880, 88.1083, 140.0406



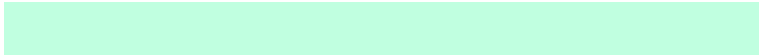
97.9876, 88.1083, 109.2026



88.2572, 88.1083, 62.2239

Rectangle

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



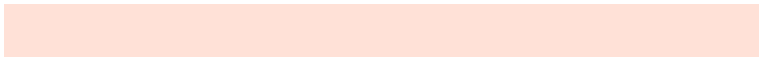
70.9528, 88.1083, 83.7880



72.2384, 88.1083, 119.0400



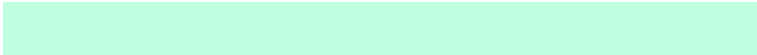
97.9876, 88.1083, 109.2026



96.4114, 88.1083, 76.0316

Sweetspot

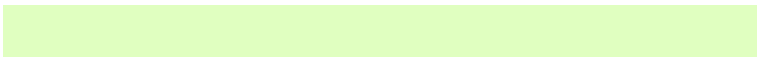
The Sweet Spot groups the original color and five complimentary colors.



70.9536, 88.1087, 83.7894



87.4030, 96.2175, 101.3286



75.8607, 91.0936, 63.4550



18.5734, 20.5280, 21.5524



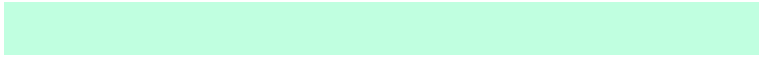
0.0000, 0.0000, 0.0000



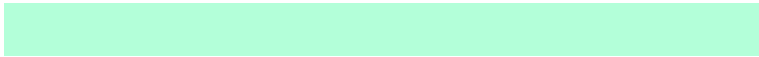
20.3446, 21.4041, 23.3091

Same Dimension

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



70.9536, 88.1087, 83.7894



66.8061, 86.0727, 78.9828



75.5488, 89.9468, 107.9874



18.1566, 20.3222, 21.1276



20.8498, 38.2365, 17.6264



2.0853, 3.7450, 2.0068

Inverse Universe

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



73.4094, 64.2880, 78.3519



69.6731, 58.2653, 72.6361



69.6048, 62.7661, 58.3170



18.3820, 18.1361, 20.6285



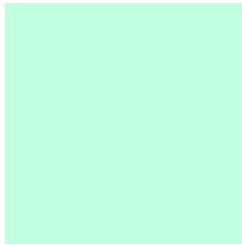
23.5739, 11.9188, 11.6724



2.3503, 1.1825, 1.4263

Previews

White Background



This preview shows how the XYZ color 70.9528, 88.1083, 83.7880 looks on a white background.

Color Contrast Check

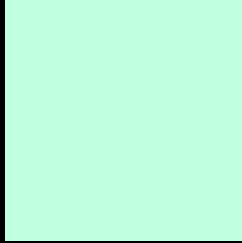
Large Text (above 18pt) WCAG AA × Fail

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 70.9528, 88.1083, 83.7880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

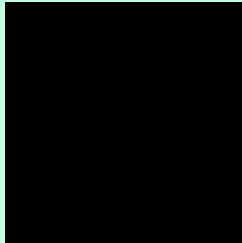
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

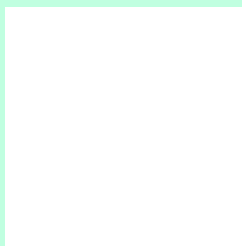
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9528, 88.1083, 83.7880

Background



This preview shows how black text looks on a background with the XYZ color 70.9528, 88.1083, 83.7880.



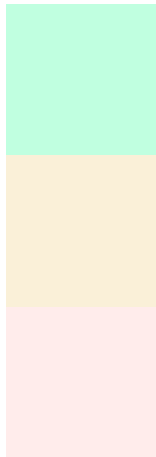
This preview shows how white text looks on a background with the XYZ color 70.9528, 88.1083,

83.7880.

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

70.9528, 88.1083, 83.7880

Protanopia

82.9791, 87.6020, 77.5012

Deuteranopia

86.2308, 87.2491, 90.8932



Tritanopia

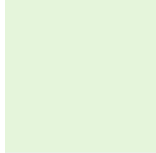
80.8266, 88.0544, 107.3439

Trichromacy



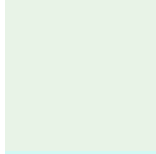
Original Color

70.9528, 88.1083, 83.7880



Protanomaly

77.7517, 87.0773, 79.7275



Deuteranomaly

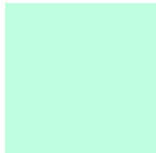
79.7531, 87.0265, 88.1957



Tritanomaly

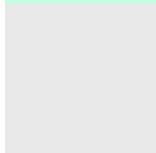
77.0688, 88.1319, 98.5372

Monochromacy



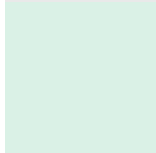
Original Color

70.9528, 88.1083, 83.7880



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6517, 83.5292, 87.0511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9528, 88.1083, 83.7880 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(192, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 70.9528, 88.1083, 83.7880 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(192, 255, 224) }
```


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

```
.border{ border-color:rgb(192, 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(192, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9528, 88.1083, 83.7880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 224) }
```

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

```
.background{ background-color: rgb(192,  
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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