

Converting Colors

XYZ(77.9108, 100.0000,
83.7100)

Have a look what the booklet for
XYZ(77.9108, 100.0000, 83.7100)
contains.

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Color

**XYZ(72.3643, 88.8826,
81.7487)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFDD
RGB	199, 255, 221
RGB Percent	78%, 100%, 87%
CMY	0.2196, 0.0000, 0.1333
CMYK	0.22, 0.00, 0.13, 0.00
HSL	144°, 100%, 89%
HSV	144°, 22%, 100%
XYZ	72.3643, 88.8826, 81.7487
YIQ	234.3800, -22.4620, -22.4460

Conversions

Conversions Part 2

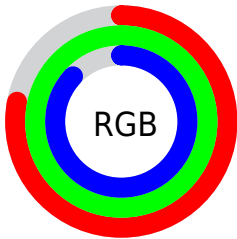
Format	Color
RYB	199, 239, 255
Decimal	13107165
CIELab	95.53, -24.18, 10.52
CIElCh	96, 26.367, 156.487
Yxy	88.8826, 0.2978, 0.3658
Android (android.graphics.Color)	4291297245 (0xFFC7FFDD)
YUV	234.3800, -6.5963, -31.0283
Hunter-Lab	94.2776, -27.9751, 14.5835

Details

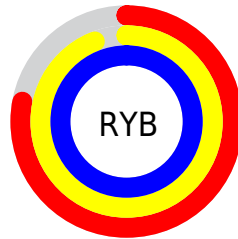
The XYZ color **72.3643, 88.8826, 81.7487** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.3717, 67.9908, 86.1888**, and the grayscale version is **78.5549, 82.6458, 90.0013**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5786, 49.0706, 43.5147** is the 20% darker color. If you saturate the color by 10%, you get **64.1871, 84.8945, 71.0908**, and if you desaturate by 10%, it is **81.8669, 93.5318, 93.4644**.

Distribution



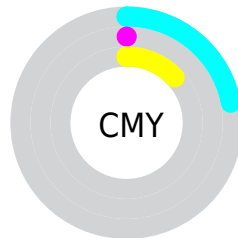
- Red (78%)
- Green (100%)
- Blue (87%)



- Red (78%)
- Yellow (94%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3643, 88.8826, 81.7487 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 72.3643, 88.8826, 81.7487 by changing the saturation by 10% instead.


 72.3643, 88.8826,
81.7487

 72.3643, 88.8826,
81.7487


457.9466,
524.3893, 520.6681

 53.7428, 67.0543,
60.6238

121.5823,
145.7853, 137.6551

 38.6260, 49.1287,
43.4931


152.9096,
181.6284, 173.2736

 26.6483, 34.7216,
29.9379


189.2029,
222.9120, 214.5604

 17.4445, 23.4485,
19.5398

230.8275,
270.0203, 261.9341

 10.6492, 14.9250,
11.8802

278.1488,
323.3378, 315.8132

 5.8970, 8.7668,
6.5406

331.5322,

 2.8226, 4.5894,

383.2488, 376.6162

3.1025

391.3430,
450.1379, 444.7616

■ 1.0607, 2.0084,
1.1472

■ 0.0000, 0.6124,
0.0000

■ 72.3643, 88.8826,
81.7487

■ 72.3643, 88.8826,
81.7487

■ 64.1871, 84.8945,
71.0908

■ 81.8669, 93.5318,
93.4644

■ 57.2715, 81.5354,
61.4568

■ 92.7501, 98.8704,
106.2621

■ 51.5517, 78.7721,
52.8172

■ 95.0500, 100.0000,
108.9000

■ 46.9545, 76.5673,
45.1394

■ 43.3985, 74.8799,
38.3890

■ 40.7905, 73.6623,
32.5292

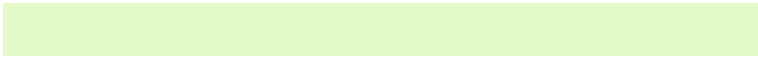
■ 39.0187, 72.8580,
27.5204

■ 38.0691, 72.4437,
24.0798

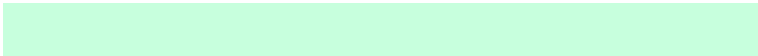
Harmonies

Analogous

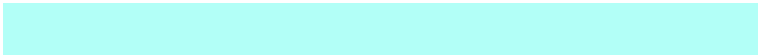
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4811, 88.8826, 68.1702



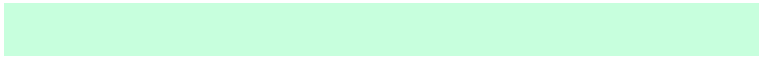
72.3643, 88.8826, 81.7487



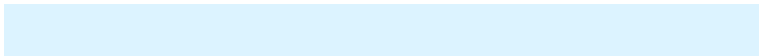
71.4078, 88.8826, 101.3457

Triad

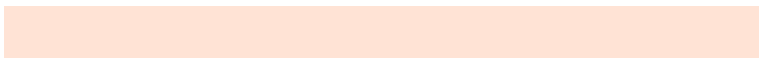
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3643, 88.8826, 81.7487



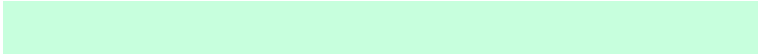
86.0604, 88.8826, 141.9665



96.1561, 88.8826, 74.9832

Complementary

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



72.3643, 88.8826, 81.7487



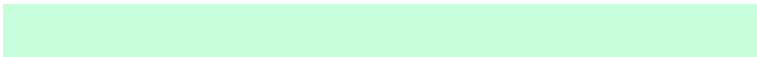
76.3717, 67.9908, 86.1888

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.



99.0580, 88.8826, 92.3497



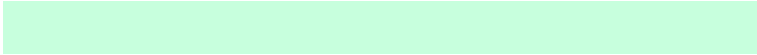
72.3643, 88.8826, 81.7487



93.0185, 88.8826, 132.4428

Square

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



72.3643, 88.8826, 81.7487



79.0551, 88.8826, 138.0644



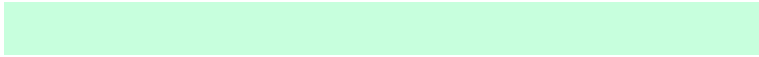
97.8783, 88.8826, 113.5450



90.1481, 88.8826, 64.6712

Rectangle

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



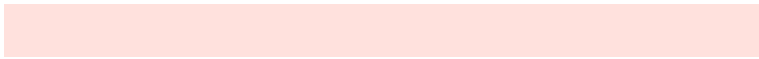
72.3643, 88.8826, 81.7487



72.6397, 88.8826, 115.6409



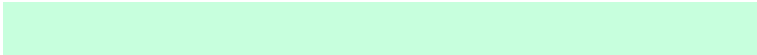
97.8783, 88.8826, 113.5450



97.5423, 88.8826, 80.0867

Sweetspot

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



72.3650, 88.8829, 81.7501



87.0890, 96.0919, 99.6752



79.8479, 93.0572, 67.7872



18.5007, 20.4990, 21.1697



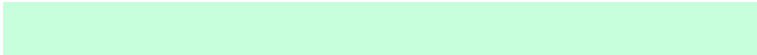
0.0000, 0.0000, 0.0000



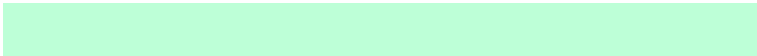
20.3446, 21.4041, 23.3091

Same Dimension

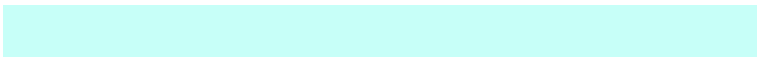
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3650, 88.8829, 81.7501



68.9053, 87.1938, 77.3185



76.3294, 90.4687, 102.6264



18.0671, 20.2864, 20.6562



19.9601, 37.8806, 12.9410



1.9953, 3.7090, 1.5331

Inverse Universe

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



76.3717, 67.9908, 86.1888



73.5093, 63.1807, 82.4146



72.7479, 66.5412, 67.1061



18.4727, 18.1724, 21.1062



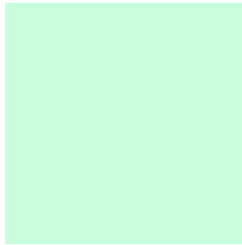
24.7077, 12.3724, 17.6432



2.4595, 1.2262, 2.0009

Previews

White Background



This preview shows how the XYZ color 72.3643, 88.8826, 81.7487 looks on a white background.

Color Contrast Check

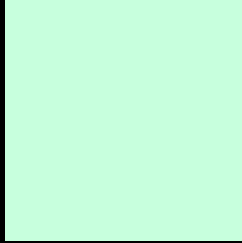
Large Text (above 18pt) WCAG AA × Fail

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 72.3643, 88.8826, 81.7487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

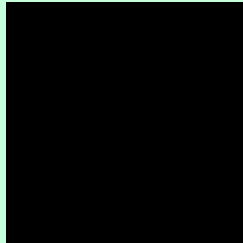
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

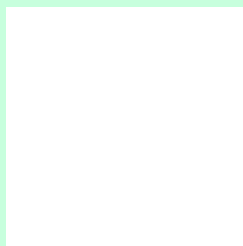
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3643, 88.8826, 81.7487

Background



This preview shows how black text looks on a background with the XYZ color 72.3643, 88.8826, 81.7487.



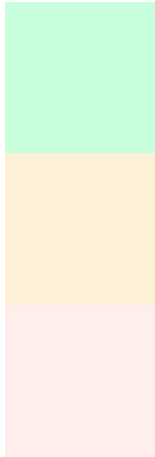
This preview shows how white text looks on a background with the XYZ color 72.3643, 88.8826,

81.7487.

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

72.3643, 88.8826, 81.7487

Protanopia

83.7378, 88.4611, 76.2796

Deuteranopia

86.8099, 88.4072, 91.0862



Tritanopia

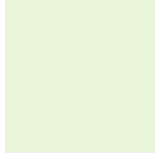
82.0664, 88.6936, 107.4019

Trichromacy



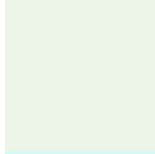
Original Color

72.3643, 88.8826, 81.7487



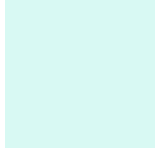
Protanomaly

79.0844, 88.2449, 78.5104



Deuteranomaly

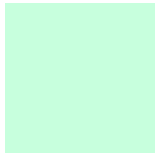
80.8946, 88.0767, 87.5998



Tritanomaly

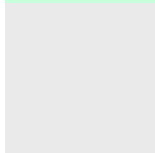
78.3722, 88.8214, 97.8076

Monochromacy



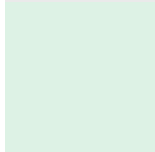
Original Color

72.3643, 88.8826, 81.7487



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.7138, 84.5336, 86.4548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3643, 88.8826, 81.7487 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(199, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 221)  
}
```

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(199, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 72.3643, 88.8826, 81.7487 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(199, 255, 221) }
```


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

```
.border{ border-color:rgb(199, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3643, 88.8826, 81.7487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 221) }
```

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

```
.background{ background-color: rgb(199,  
255, 221) }
```

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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