

Converting Colors

XYZ(72.1617, 88.8326, 79.2779)

Have a look what the booklet for
XYZ(72.1617, 88.8326, 79.2779)
contains.

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Color

**XYZ(72.1038, 88.8091,
78.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FFD9
RGB	200, 255, 217
RGB Percent	78%, 100%, 85%
CMY	0.2157, 0.0000, 0.1490
CMYK	0.22, 0.00, 0.15, 0.00
HSL	139°, 100%, 89%
HSV	139°, 22%, 100%
XYZ	72.1038, 88.8091, 78.9872
YIQ	234.2230, -20.5820, -23.4780

Conversions

Conversions Part 2

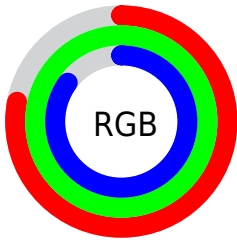
Format	Color
RYB	200, 242, 255
Decimal	13172697
CIELab	95.50, -24.59, 12.54
CIELCh	96, 27.605, 152.990
Yxy	88.8091, 0.3006, 0.3702
Android (android.graphics.Color)	4291362777 (0xFFC8FFD9)
YUV	234.2230, -8.4909, -30.0136
Hunter-Lab	94.2386, -28.3436, 16.2724

Details

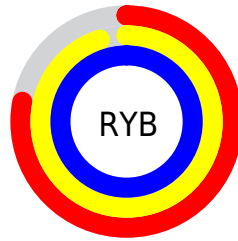
The XYZ color **72.1038, 88.8091, 78.9872** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.3273, 68.7424, 90.0818**, and the grayscale version is **78.4487, 82.5342, 89.8797**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3927, 49.0165, 41.6200** is the 20% darker color. If you saturate the color by 10%, you get **63.6810, 84.7178, 67.2628**, and if you desaturate by 10%, it is **81.9085, 93.5845, 92.0562**.

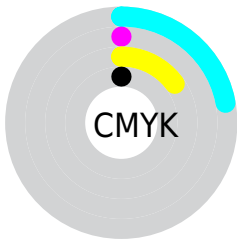
Distribution



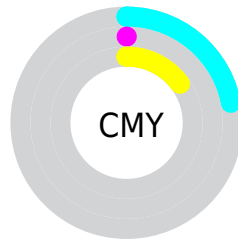
- Red (78%)
- Green (100%)
- Blue (85%)



- Red (78%)
- Yellow (95%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1038, 88.8091, 78.9872 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 72.1038, 88.8091, 78.9872 by changing the saturation by 10% instead.


 72.1038, 88.8091,
78.9872

 72.1038, 88.8091,
78.9872


457.0548,
524.1492, 511.1295

 53.5292, 66.9933,
58.3640


121.2141,
145.6831, 133.7393

 38.4546, 49.0792,
41.6847


152.4805,
181.5101, 168.7054

 26.5145, 34.6823,
28.5308

188.7083,
222.7763, 209.2895

 17.3436, 23.4183,
18.4836

230.2628,
269.8661, 255.9102

 10.5766, 14.9027,
11.1248

277.5094,
323.1639, 308.9860

 5.8481, 8.7511,
6.0356

330.8133,

 2.7927, 4.5792,

383.0541, 368.9354

2.7976

390.5400,
449.9211, 436.1771

■ 1.0451, 2.0025,
0.9922

■ 0.0000, 0.6089,
0.0000

■ 72.1038, 88.8091,
78.9872

■ 72.1038, 88.8091,
78.9872

■ 63.6810, 84.7178,
67.2628

■ 81.9085, 93.5845,
92.0562

■ 56.5741, 81.2775,
56.8358

■ 93.1527, 99.0729,
106.5064

■ 50.7146, 78.4538,
47.6624

■ 95.0500, 100.0000,
108.9000

■ 46.0269, 76.2086,
39.6949

■ 42.4267, 74.4997,
32.8823

■ 39.8179, 73.2786,
27.1698

■ 38.0859, 72.4873,
22.4980

■ 37.1648, 72.0819,
19.3175

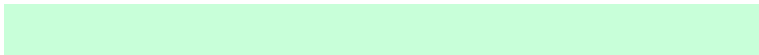
Harmonies

Analogous

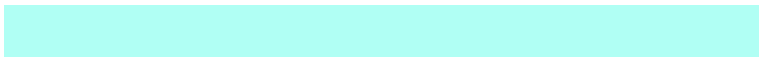
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7359, 88.8091, 65.7981



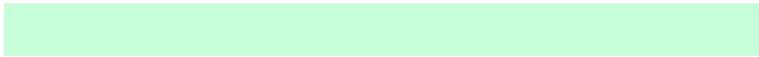
72.1038, 88.8091, 78.9872



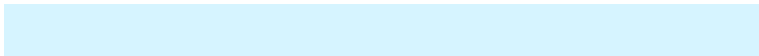
70.7026, 88.8091, 98.8871

Triad

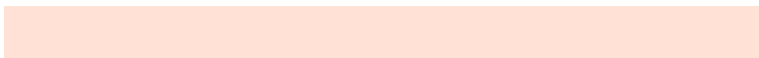
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1038, 88.8091, 78.9872



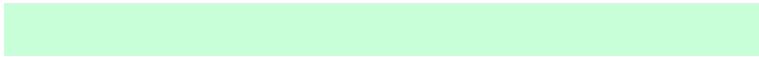
85.1713, 88.8091, 144.5469



97.2073, 88.8091, 75.7441

Complementary

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



72.1038, 88.8091, 78.9872



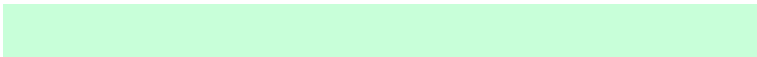
77.3273, 68.7424, 90.0818

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.



99.7845, 88.8091, 94.5415



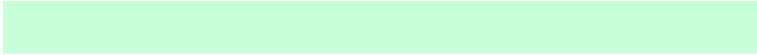
72.1038, 88.8091, 78.9872



92.5802, 88.8091, 136.0141

Square

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



72.1038, 88.8091, 78.9872



77.9757, 88.8091, 138.7600



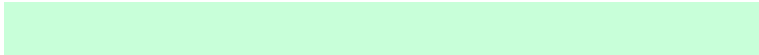
98.0432, 88.8091, 116.8761



91.1897, 88.8091, 64.1314

Rectangle

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



72.1038, 88.8091, 78.9872



71.7163, 88.8091, 113.8968



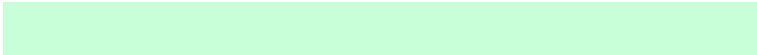
98.0432, 88.8091, 116.8761



98.5204, 88.8091, 81.3241

Sweetspot

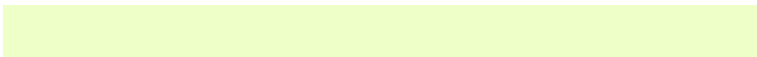
The Sweet Spot groups the original color and five complimentary colors.



72.1045, 88.8095, 78.9886



87.9878, 96.5506, 99.9288



81.6137, 93.9541, 68.4781



18.6754, 20.5888, 21.1864



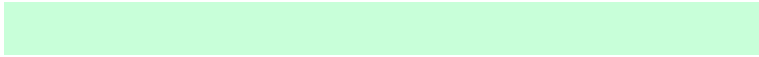
0.0000, 0.0000, 0.0000



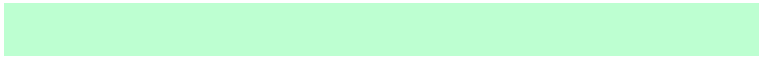
20.3446, 21.4041, 23.3091

Same Dimension

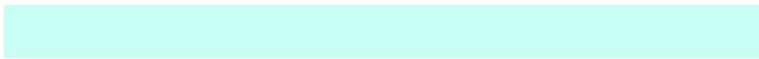
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1045, 88.8095, 78.9886



68.2045, 86.9135, 73.6286



75.9091, 90.3313, 99.0231



18.0028, 20.2606, 20.3175



19.4778, 37.6877, 10.4014



1.9430, 3.6881, 1.2576

Inverse Universe

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



77.3273, 68.7424, 90.0818



74.2973, 63.4959, 86.5639



73.6527, 67.2726, 70.7320



18.5396, 18.1991, 21.4585



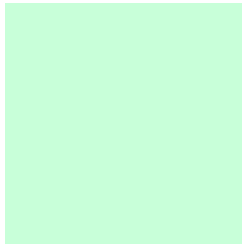
25.7228, 12.7784, 22.9886



2.5536, 1.2638, 2.4966

Previews

White Background



This preview shows how the XYZ color 72.1038, 88.8091, 78.9872 looks on a white background.

Color Contrast Check

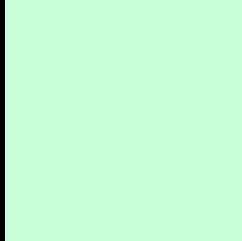
Large Text (above 18pt) WCAG AA × Fail

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 72.1038, 88.8091, 78.9872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

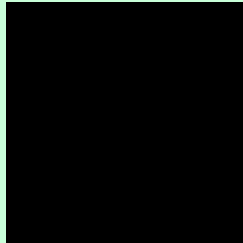
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

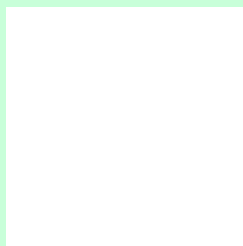
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1038, 88.8091, 78.9872

Background



This preview shows how black text looks on a background with the XYZ color 72.1038, 88.8091, 78.9872.



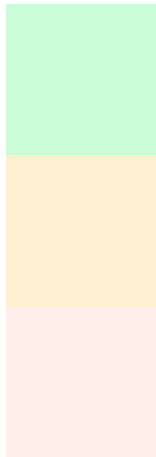
This preview shows how white text looks on a background with the XYZ color 72.1038, 88.8091,

78.9872.

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

72.1038, 88.8091, 78.9872

Protanopia

83.5962, 88.4464, 73.6386

Deuteranopia

86.5225, 88.2923, 89.5727



Tritanopia

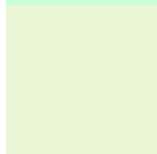
82.0664, 88.6936, 107.4019

Trichromacy



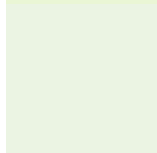
Original Color

72.1038, 88.8091, 78.9872



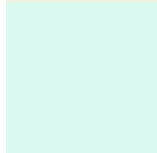
Protanomaly

78.8977, 88.2081, 75.8183



Deuteranomaly

80.4768, 87.9096, 85.3997



Tritanomaly

78.3681, 88.8540, 96.2392

Monochromacy



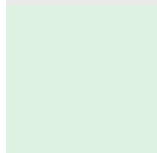
Original Color

72.1038, 88.8091, 78.9872



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.8799, 84.6353, 85.7357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1038, 88.8091, 78.9872 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(200, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 217)  
}
```

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(200, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 72.1038, 88.8091, 78.9872 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(200, 255, 217) }
```


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

```
.border{ border-color:rgb(200, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1038, 88.8091, 78.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 217) }
```

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

```
.background{ background-color: rgb(200,  
255, 217) }
```

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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