

Converting Colors

XYZ(72.1851, 88.2712, 83.7545)

Have a look what the booklet for
XYZ(72.1851, 88.2712, 83.7545)
contains.

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Color

**XYZ(72.1851, 88.2712,
83.7545)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FEE0
RGB	198, 254, 224
RGB Percent	78%, 100%, 88%
CMY	0.2235, 0.0039, 0.1216
CMYK	0.22, 0.00, 0.12, 0.00
HSL	148°, 97%, 89%
HSV	148°, 22%, 100%
XYZ	72.1851, 88.2712, 83.7545
YIQ	233.8360, -23.7460, -21.2020

Conversions

Conversions Part 2

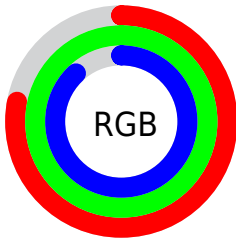
Format	Color
RYB	198, 236, 254
Decimal	13041376
CIELab	95.28, -23.45, 8.60
CIELCh	95, 24.978, 159.854
Yxy	88.2712, 0.2956, 0.3615
Android (android.graphics.Color)	4291231456 (0xFFC6FEE0)
YUV	233.8360, -4.8491, -31.4282
Hunter-Lab	93.9528, -27.2735, 12.9127

Details

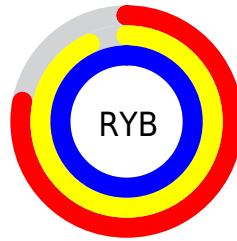
The XYZ color **72.1851, 88.2712, 83.7545** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.0739, 67.0627, 82.3903**, and the grayscale version is **78.1331, 82.2021, 89.5181**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4554, 48.6367, 44.8971** is the 20% darker color. If you saturate the color by 10%, you get **64.2711, 84.3986, 74.1334**, and if you desaturate by 10%, it is **81.3745, 92.7891, 94.2101**.

Distribution



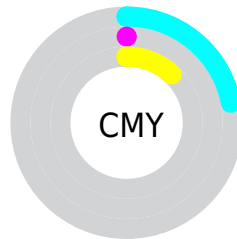
- Red (78%)
- Green (100%)
- Blue (88%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1851, 88.2712, 83.7545 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 72.1851, 88.2712, 83.7545 by changing the saturation by 10% instead.

72.1851, 88.2712,
83.7545

72.1851, 88.2712,
83.7545

457.3332,
522.3909, 527.5344

53.5959, 66.5477,
62.2686

121.3290,
144.9347, 140.4904

38.5081, 48.7171,
44.8125

152.6145,
180.6434, 176.5774

26.5563, 34.3952,
30.9679

188.8627,
221.7827, 218.3685

17.3751, 23.1973,
20.3162

230.4391,
268.7369, 266.2822

10.5992, 14.7393,
12.4387

277.7090,
321.8904, 320.7371

5.8633, 8.6366,
6.9171

331.0377,

2.8020, 4.5049,

381.6277, 382.1518

3.3326

390.7907,
448.3331, 450.9447

■ 1.0500, 1.9598,
1.2669

■ 0.0000, 0.5840,
0.0344

■ 72.1851, 88.2712,
83.7545

■ 72.1851, 88.2712,
83.7545

■ 64.2711, 84.3986,
74.1334

■ 81.3745, 92.7891,
94.2101

■ 57.5657, 81.1300,
65.3203

■ 91.8873, 97.9693,
105.5143

■ 52.0070, 78.4362,
57.2953

■ 94.7334, 99.3669,
108.7945

■ 47.5245, 76.2815,
50.0360

■ 44.0394, 74.6255,
43.5183

■ 41.4612, 73.4221,
37.7170

■ 39.6815, 72.6159,
32.6049

■ 38.7089, 72.1931,
29.0103

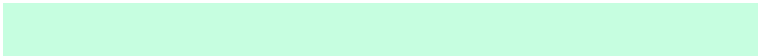
Harmonies

Analogous

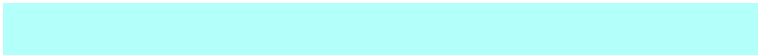
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7763, 88.2712, 70.0784



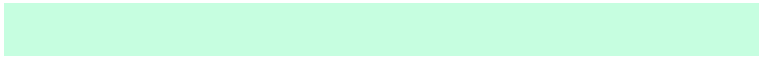
72.1851, 88.2712, 83.7545



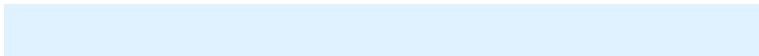
71.6360, 88.2712, 102.6814

Triad

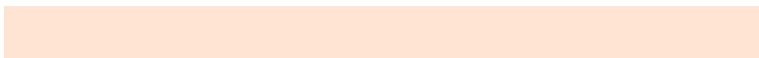
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1851, 88.2712, 83.7545



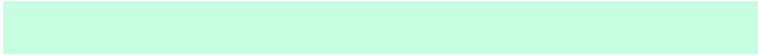
86.1625, 88.2712, 138.0453



94.3693, 88.2712, 74.0067

Complementary

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



72.1851, 88.2712, 83.7545



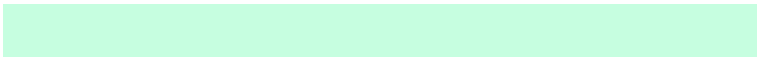
75.0739, 67.0627, 82.3903

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.



97.4875, 88.2712, 89.8296



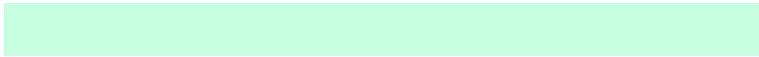
72.1851, 88.2712, 83.7545



92.5826, 88.2712, 127.9069

Square

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



72.1851, 88.2712, 83.7545



79.4652, 88.2712, 135.8387



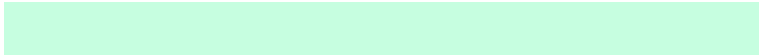
96.8165, 88.2712, 109.6296



88.4950, 88.2712, 65.0014

Rectangle

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



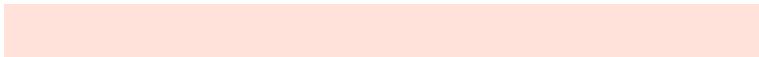
72.1851, 88.2712, 83.7545



73.0366, 88.2712, 116.0369



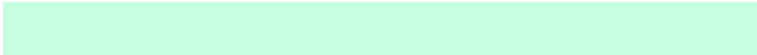
96.8165, 88.2712, 109.6296



95.7886, 88.2712, 78.6100

Sweetspot

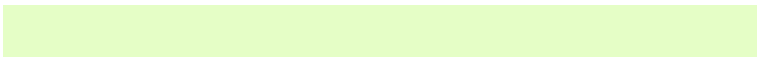
The Sweet Spot groups the original color and five complimentary colors.



72.1875, 88.2749, 83.7565



87.2834, 96.1697, 100.6987



77.8873, 91.5900, 67.0009



18.5457, 20.5170, 21.4066



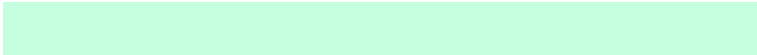
0.0000, 0.0000, 0.0000



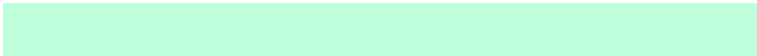
20.3446, 21.4041, 23.3091

Same Dimension

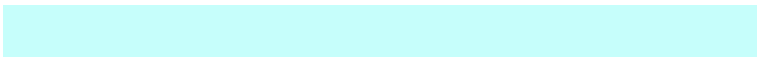
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1875, 88.2749, 83.7565



69.5214, 87.4403, 80.5633



76.1777, 89.8709, 104.7682



18.1224, 20.3085, 20.9478



20.4797, 38.0885, 15.6773



2.0485, 3.7303, 1.8135

Inverse Universe

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



75.0739, 67.0627, 82.3903



72.8575, 62.9200, 78.9821



71.5889, 65.6687, 64.0387



18.4162, 18.1498, 20.8091



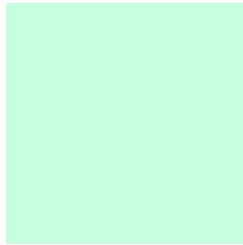
23.9700, 12.0773, 13.7583



2.3891, 1.1980, 1.6303

Previews

White Background



This preview shows how the XYZ color 72.1851, 88.2712, 83.7545 looks on a white background.

Color Contrast Check

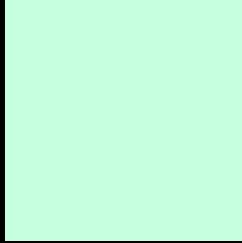
Large Text (above 18pt) WCAG AA × Fail

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 72.1851, 88.2712, 83.7545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

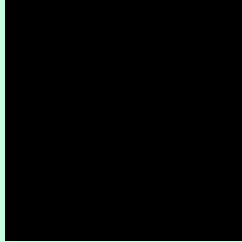
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

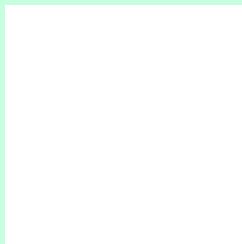
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1851, 88.2712, 83.7545

Background



This preview shows how black text looks on a background with the XYZ color 72.1851, 88.2712, 83.7545.



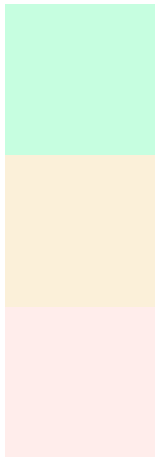
This preview shows how white text looks on a background with the XYZ color 72.1851, 88.2712,

83.7545.

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

72.1851, 88.2712, 83.7545

Protanopia

83.4681, 87.8392, 78.2011

Deuteranopia

86.5196, 87.8265, 90.9894



Tritanopia

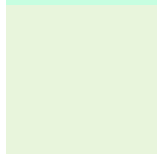
81.1412, 87.7687, 107.2722

Trichromacy



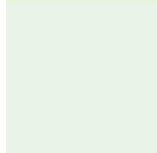
Original Color

72.1851, 88.2712, 83.7545



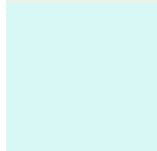
Protanomaly

78.8494, 87.6279, 80.4682



Deuteranomaly

80.4061, 87.3631, 88.2262



Tritanomaly

77.9209, 88.1135, 98.4887

Monochromacy



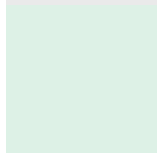
Original Color

72.1851, 88.2712, 83.7545



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5570, 83.9959, 87.0935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1851, 88.2712, 83.7545 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(198, 254, 224)` looks like.

```
.text, #text, p{  
    color:rgb(198, 254, 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(198, 254, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 254, 224) }
```

Border

The CSS property to change the border of an element to XYZ 72.1851, 88.2712, 83.7545 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(198, 254, 224) }
```


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

```
.border{ border-color:rgb(198, 254, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 254, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 254, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 254, 224);  
box-shadow:4px 4px 4px 4px rgb(198, 254,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1851, 88.2712, 83.7545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 254, 224) }
```

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

```
.background{ background-color: rgb(198,  
254, 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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