

Converting Colors

XYZ(77.8784, 100.0000,
89.7272)

Have a look what the booklet for
XYZ(77.8784, 100.0000, 89.7272)
contains.

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Color

**XYZ(72.2911, 88.7025,
88.1741)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FFE6
RGB	194, 255, 230
RGB Percent	76%, 100%, 90%
CMY	0.2392, 0.0000, 0.0980
CMYK	0.24, 0.00, 0.10, 0.00
HSL	155°, 100%, 88%
HSV	155°, 24%, 100%
XYZ	72.2911, 88.7025, 88.1741
YIQ	233.9110, -28.3310, -20.7070

Conversions

Conversions Part 2

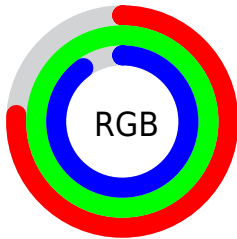
Format	Color
RYB	194, 232, 255
Decimal	12779494
CIELab	95.46, -24.01, 5.75
CIELCh	95, 24.685, 166.539
Yxy	88.7025, 0.2901, 0.3560
Android (android.graphics.Color)	4290969574 (0xFFC2FFE6)
YUV	233.9110, -1.9281, -35.0019
Hunter-Lab	94.1820, -27.8076, 10.4195

Details

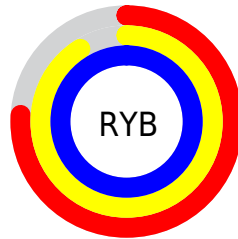
The XYZ color **72.2911, 88.7025, 88.1741** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.3186, 64.9591, 75.6922**, and the grayscale version is **78.1687, 82.2395, 89.5588**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **38.5794, 48.9723, 47.9767** is the 20% darker color. If you saturate the color by 10%, you get **64.8746, 85.0437, 80.3950**, and if you desaturate by 10%, it is **80.9203, 92.9763, 96.4721**.

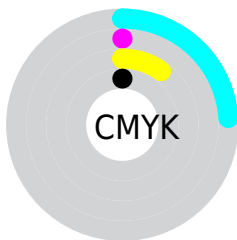
Distribution



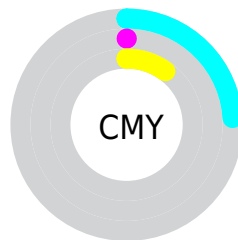
- Red (76%)
- Green (100%)
- Blue (90%)



- Red (76%)
- Yellow (91%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2911, 88.7025, 88.1741 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 72.2911, 88.7025, 88.1741 by changing the saturation by 10% instead.

 72.2911, 88.7025,
88.1741

 72.2911, 88.7025,
88.1741


457.6961,
523.8010, 542.4893

 53.6828, 66.9050,
65.9021


 121.4789,
145.5348, 146.7128

 38.5778, 49.0074,
47.7370

152.7891,
181.3384, 183.8166

 26.6107, 34.6254,
33.2601

189.0640,
222.5795, 226.7013

 17.4161, 23.3744,
22.0530

230.6689,
269.6424, 275.7857

 10.6288, 14.8702,
13.6972

277.9692,
322.9117, 331.4881

 5.8832, 8.7284,
7.7740

331.3303,

 2.8142, 4.5644,

382.7716, 394.2271

3.8650

391.1175,
449.6066, 464.4214

■ 1.0563, 1.9940,
1.5516

■ 0.0000, 0.6040,
0.2559

■ 72.2911, 88.7025,
88.1741

■ 72.2911, 88.7025,
88.1741

■ 64.8746, 85.0437,
80.3950

■ 80.9203, 92.9763,
96.4721

■ 58.6093, 81.9683,
73.1197

■ 90.8143, 97.8918,
105.2950

■ 53.4321, 79.4441,
66.3386

■ 95.0500, 100.0000,
108.9000

■ 49.2726, 77.4349,
60.0398

■ 46.0516, 75.9001,
54.2110

■ 43.6773, 74.7926,
48.8389

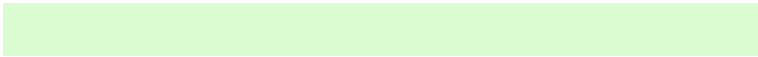
■ 42.0382, 74.0550,
43.9092

■ 41.3051, 73.7380,
41.1198

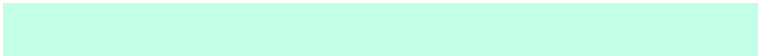
Harmonies

Analogous

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



75.2235, 88.7025, 73.1754



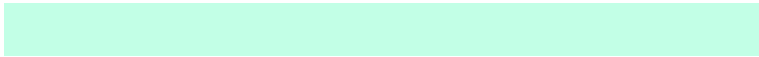
72.2911, 88.7025, 88.1741



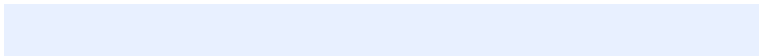
72.4543, 88.7025, 107.5692

Triad

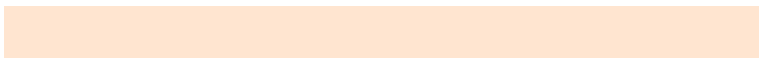
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2911, 88.7025, 88.1741



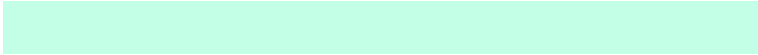
88.0629, 88.7025, 136.8359



93.5683, 88.7025, 72.0070

Complementary

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



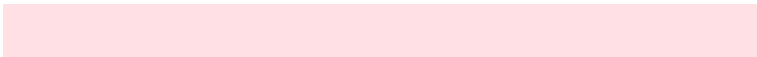
72.2911, 88.7025, 88.1741



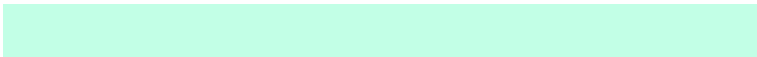
73.3186, 64.9591, 75.6922

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.



97.3912, 88.7025, 86.3696



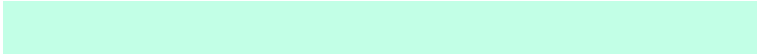
72.2911, 88.7025, 88.1741



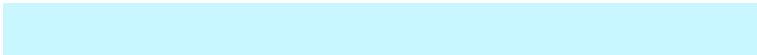
94.0983, 88.7025, 124.5130

Square

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



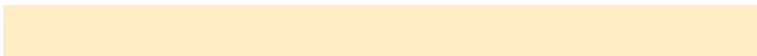
72.2911, 88.7025, 88.1741



81.3198, 88.7025, 137.4895



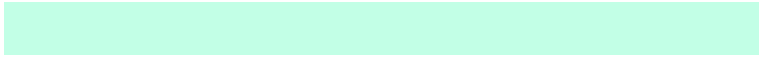
97.5902, 88.7025, 105.5080



87.3707, 88.7025, 64.7184

Rectangle

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



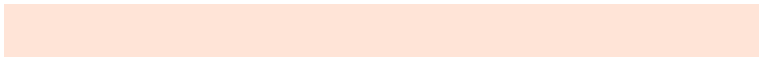
72.2911, 88.7025, 88.1741



74.2924, 88.7025, 120.4792



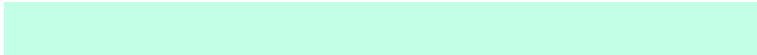
97.5902, 88.7025, 105.5080



95.1878, 88.7025, 76.0741

Sweetspot

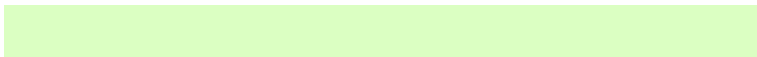
The Sweet Spot groups the original color and five complimentary colors.



72.2920, 88.7029, 88.1756



87.6295, 96.3081, 102.5214



74.8372, 90.5401, 64.5720



18.6258, 20.5490, 21.8287



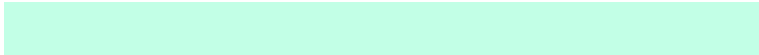
0.0000, 0.0000, 0.0000



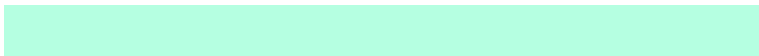
20.3446, 21.4041, 23.3091

Same Dimension

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



72.2920, 88.7029, 88.1756



68.3766, 86.7693, 84.1597



74.4585, 87.0092, 107.4778



18.2214, 20.3481, 21.4690



21.6588, 38.5601, 21.8863



2.1631, 3.7762, 2.4169

Inverse Universe

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



73.3186, 64.9591, 75.6922



69.5766, 59.0491, 69.5929



71.4210, 66.0414, 60.0233



18.3180, 18.1105, 20.2916



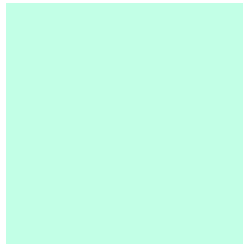
22.9375, 11.6643, 8.3215



2.2860, 1.1568, 1.0875

Previews

White Background



This preview shows how the XYZ color 72.2911, 88.7025, 88.1741 looks on a white background.

Color Contrast Check

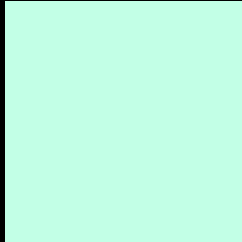
Large Text (above 18pt) WCAG AA × Fail

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 72.2911, 88.7025, 88.1741 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

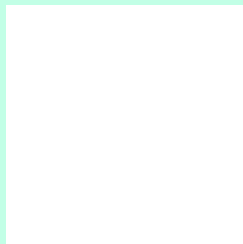
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2911, 88.7025, 88.1741

Background



This preview shows how black text looks on a background with the XYZ color 72.2911, 88.7025, 88.1741.

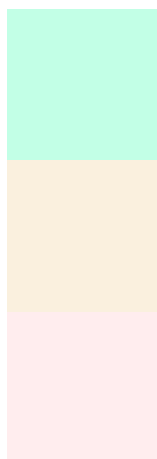


This preview shows how white text looks on a background with the XYZ color 72.2911, 88.7025,

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

72.2911, 88.7025, 88.1741

Protanopia

83.7692, 87.9181, 81.6620

Deuteranopia

86.9568, 88.0014, 93.2918



Tritanopia

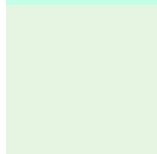
81.1338, 88.2128, 107.3583

Trichromacy



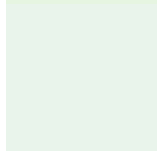
Original Color

72.2911, 88.7025, 88.1741



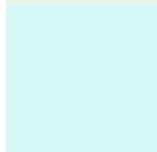
Protanomaly

78.8761, 87.5641, 83.9785



Deuteranomaly

80.9504, 88.0232, 91.3209



Tritanomaly

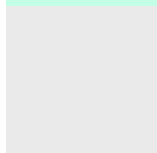
77.6616, 88.4022, 100.1589

Monochromacy



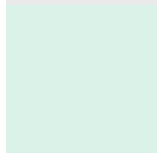
Original Color

72.2911, 88.7025, 88.1741



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6735, 84.4475, 89.4024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2911, 88.7025, 88.1741 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 72.2911, 88.7025, 88.1741 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, 230) }
```


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

```
.border{ border-color:rgb(194, 255, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2911, 88.7025, 88.1741 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, 230) }
```

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

```
.background{ background-color: rgb(194,  
255, 230) }
```

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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