

Converting Colors

XYZ(78.9576, 100.0000,
83.5173)

Have a look what the booklet for
XYZ(78.9576, 100.0000, 83.5173)
contains.

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Color

**XYZ(73.7130, 89.5778,
81.8118)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFDD
RGB	204, 255, 221
RGB Percent	80%, 100%, 87%
CMY	0.2000, 0.0000, 0.1333
CMYK	0.20, 0.00, 0.13, 0.00
HSL	140°, 100%, 90%
HSV	140°, 20%, 100%
XYZ	73.7130, 89.5778, 81.8118
YIQ	235.8750, -19.4820, -21.3860

Conversions

Conversions Part 2

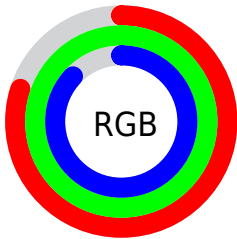
Format	Color
R_YB	204, 242, 255
Decimal	13434845
CIE _{Lab}	95.82, -22.61, 10.97
CIE _{LCh}	96, 25.131, 154.112
Yxy	89.5778, 0.3007, 0.3655
Android (android.graphics.Color)	4291624925 (0xFFCCFFDD)
YUV	235.8750, -7.3334, -27.9544
Hunter-Lab	94.6455, -26.6082, 15.0015

Details

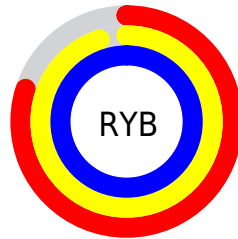
The XYZ color **73.7130, 89.5778, 81.8118** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.2659, 70.6197, 90.3947**, and the grayscale version is **79.6978, 83.8483, 91.3108**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4714, 49.5309, 43.5564** is the 20% darker color. If you saturate the color by 10%, you get **65.1349, 85.4042, 70.1800**, and if you desaturate by 10%, it is **83.6663, 94.4338, 94.7081**.

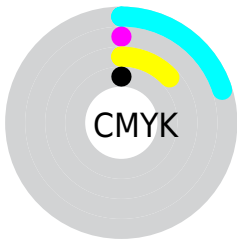
Distribution



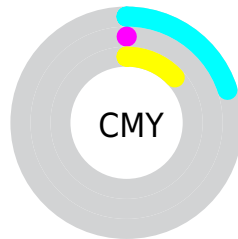
- Red (80%)
- Green (100%)
- Blue (87%)



- Red (80%)
- Yellow (95%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.7130, 89.5778, 81.8118 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 73.7130, 89.5778, 81.8118 by changing the saturation by 10% instead.

 73.7130, 89.5778,
81.8118

 73.7130, 89.5778,
81.8118


462.5479,
526.6565, 520.8849

 54.8496, 67.6305,
60.6755


123.4866,
146.7518, 137.7444

 39.5147, 49.5972,
43.5345

155.1275,
182.7473, 173.3777

 27.3429, 35.0935,
29.9702


191.7582,
224.1944, 214.6805

 17.9688, 23.7349,
19.5641

233.7443,
271.4774, 262.0713

 11.0272, 15.1371,
11.8977

281.4509,
324.9807, 315.9685

 6.1525, 8.9156,
6.5523

335.2435,

 2.9796, 4.6862,

385.0887, 376.7909

3.1096

395.4873,
452.1858, 444.9568

■ 1.1430, 2.0643,
1.1509

■ 0.0606, 0.6445,
0.0000

■ 73.7130, 89.5778,
81.8118

■ 73.7130, 89.5778,
81.8118

■ 65.1349, 85.4042,
70.1800

■ 83.6663, 94.4338,
94.7081

■ 57.8672, 81.8805,
59.7699

95.0500, 100.0000,
108.9000

■ 51.8433, 78.9731,
50.5427

■ 46.9898, 76.6449,
42.4559

■ 43.2247, 74.8548,
35.4643

■ 40.4554, 73.5559,
29.5196

■ 38.5719, 72.6925,
24.5697

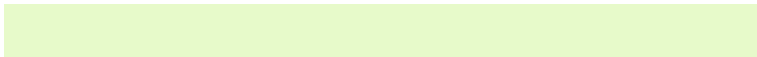
■ 37.3999, 72.1760,
20.5556

■ 37.3998, 72.1759,
20.5553

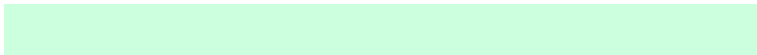
Harmonies

Analogous

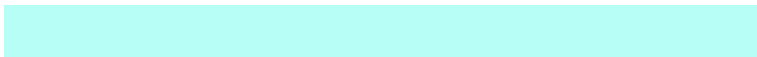
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8886, 89.5778, 69.2418



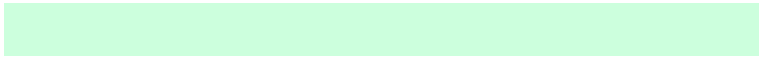
73.7130, 89.5778, 81.8118



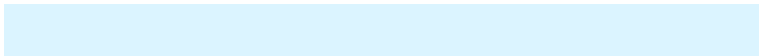
72.5364, 89.5778, 100.2954

Triad

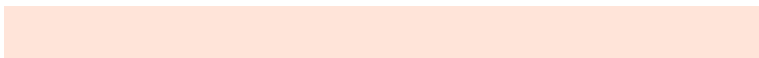
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7130, 89.5778, 81.8118



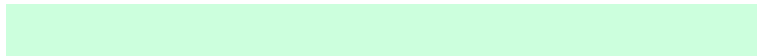
86.0995, 89.5778, 140.7382



96.6502, 89.5778, 77.6708

Complementary

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



73.7130, 89.5778, 81.8118



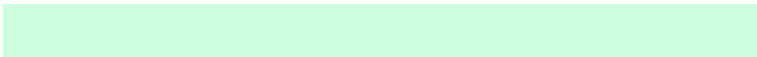
78.2659, 70.6197, 90.3947

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.



99.1272, 89.5778, 94.8257



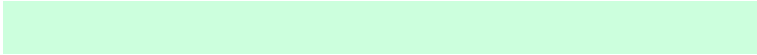
73.7130, 89.5778, 81.8118



92.8302, 89.5778, 132.6442

Square

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



73.7130, 89.5778, 81.8118



79.4576, 89.5778, 136.0295



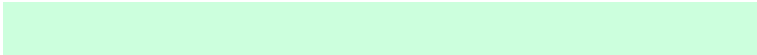
97.6930, 89.5778, 115.1537



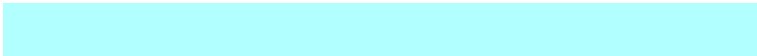
91.0891, 89.5778, 67.0882

Rectangle

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



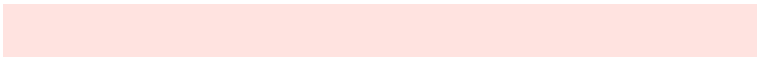
73.7130, 89.5778, 81.8118



73.5546, 89.5778, 113.9606



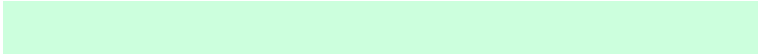
97.6930, 89.5778, 115.1537



97.8844, 89.5778, 82.7687

Sweetspot

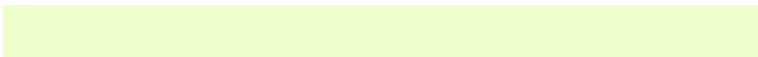
The Sweet Spot groups the original color and five complimentary colors.



73.7138, 89.5782, 81.8132



88.0444, 96.5732, 100.2264



81.9194, 94.0570, 70.9651



18.6887, 20.5942, 21.2566



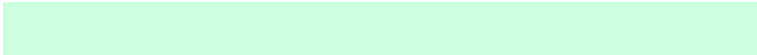
0.0000, 0.0000, 0.0000



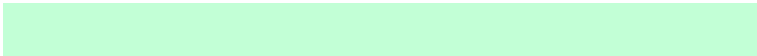
20.3446, 21.4041, 23.3091

Same Dimension

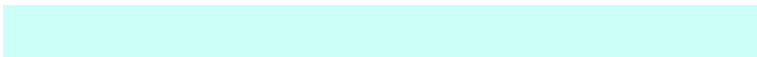
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7138, 89.5782, 81.8132



70.1201, 87.8282, 77.0098



77.3738, 91.0422, 101.0868



18.0213, 20.2680, 20.4151



19.6038, 37.7381, 11.0647



1.9570, 3.6937, 1.3315

Inverse Universe

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



78.2659, 70.6197, 90.3947



75.4248, 65.7296, 87.0057



74.7804, 69.2255, 72.0401



18.5201, 18.1914, 21.3562



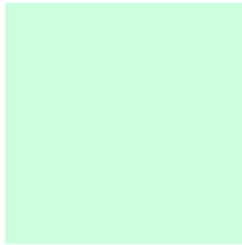
25.4120, 12.6541, 21.3521



2.5250, 1.2524, 2.3463

Previews

White Background



This preview shows how the XYZ color 73.7130, 89.5778, 81.8118 looks on a white background.

Color Contrast Check

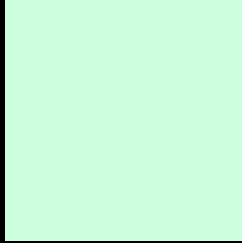
Large Text (above 18pt) WCAG AA × Fail

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 73.7130, 89.5778, 81.8118 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

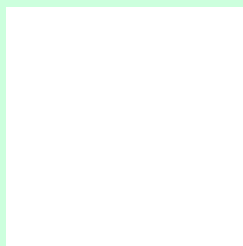
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.7130, 89.5778, 81.8118

Background



This preview shows how black text looks on a background with the XYZ color 73.7130, 89.5778, 81.8118.



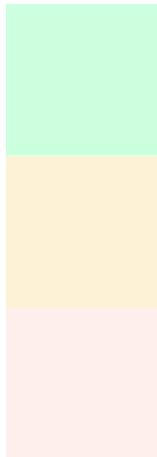
This preview shows how white text looks on a background with the XYZ color 73.7130, 89.5778,

81.8118.

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

73.7130, 89.5778, 81.8118

Protanopia

84.3977, 89.2419, 76.3955

Deuteranopia

87.2468, 89.0491, 91.9467



Tritanopia

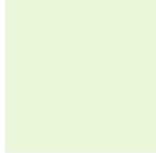
83.0155, 89.1828, 107.4464

Trichromacy



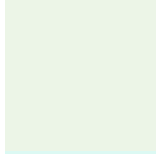
Original Color

73.7130, 89.5778, 81.8118



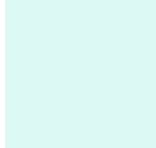
Protanomaly

80.0461, 89.1935, 78.6428



Deuteranomaly

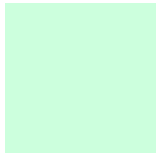
81.6683, 88.9072, 88.4577



Tritanomaly

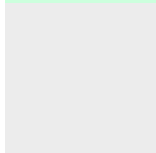
79.5685, 89.4381, 97.8636

Monochromacy



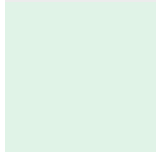
Original Color

73.7130, 89.5778, 81.8118



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.2149, 85.7180, 88.0769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7130, 89.5778, 81.8118 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(204, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 73.7130, 89.5778, 81.8118 is called "border". The border property can be set on classes, ids or directly on the HTML element.

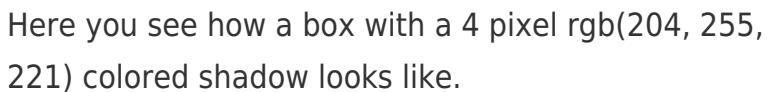
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 255, 221) }
```


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

```
.border{ border-color:rgb(204, 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(204, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7130, 89.5778, 81.8118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 221) }
```

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

```
.background{ background-color: rgb(204,  
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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