

Converting Colors

XYZ(73.1162, 89.1682, 86.3893)

Have a look what the booklet for
XYZ(73.1162, 89.1682, 86.3893)
contains.

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Color

**XYZ(73.1783, 89.2082,
86.0350)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFE3
RGB	199, 255, 227
RGB Percent	78%, 100%, 89%
CMY	0.2196, 0.0000, 0.1098
CMYK	0.22, 0.00, 0.11, 0.00
HSL	150°, 100%, 89%
HSV	150°, 22%, 100%
XYZ	73.1783, 89.2082, 86.0350
YIQ	235.0640, -24.3880, -20.5800

Conversions

Conversions Part 2

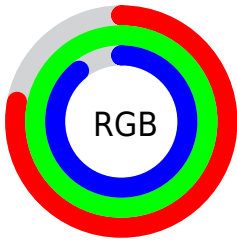
Format	Color
RYB	199, 236, 255
Decimal	13107171
CIELab	95.67, -23.06, 7.63
CIELCh	96, 24.288, 161.689
Yxy	89.2082, 0.2946, 0.3591
Android (android.graphics.Color)	4291297251 (0xFFC7FFE3)
YUV	235.0640, -3.9756, -31.6281
Hunter-Lab	94.4501, -26.9889, 12.1075

Details

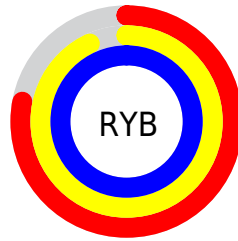
The XYZ color **73.1783, 89.2082, 86.0350** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.5290, 67.6538, 81.7507**, and the grayscale version is **79.0566, 83.1737, 90.5762**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1421, 49.2960, 46.4818** is the 20% darker color. If you saturate the color by 10%, you get **65.2746, 85.3295, 76.8173**, and if you desaturate by 10%, it is **82.3475, 93.7241, 95.9950**.

Distribution



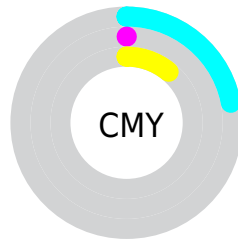
- Red (78%)
- Green (100%)
- Blue (89%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.1783, 89.2082, 86.0350 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 73.1783, 89.2082, 86.0350 by changing the saturation by 10% instead.


 73.1783, 89.2082,
86.0350

 73.1783, 89.2082,
86.0350


460.7268,
525.4518, 535.2803

 54.4107, 67.3241,
64.1419

122.7321,
146.2381, 143.7053

 39.1621, 49.3481,
46.3187


154.2489,
182.1526, 180.3195

 27.0671, 34.8957,
32.1469


190.7462,
223.5128, 222.6779

 17.7605, 23.5825,
21.2080

232.5893,
270.7030, 271.1989

 10.8768, 15.0242,
13.0834

280.1435,
324.1076, 326.3011

 6.0507, 8.8364,
7.3546

333.7743,

 2.9169, 4.6346,

384.1110, 388.4030

3.6030

393.8469,
451.0976, 457.9232

■ 1.1100, 2.0345,
1.4102

■ 0.0334, 0.6274,
0.1497

■ 73.1783, 89.2082,
86.0350

■ 73.1783, 89.2082,
86.0350

■ 65.2746, 85.3295,
76.8173

■ 82.3475, 93.7241,
95.9950

■ 58.5750, 82.0568,
68.3202

■ 92.8352, 98.9044,
106.7098

■ 53.0158, 79.3577,
60.5271

■ 95.0500, 100.0000,
108.9000

■ 48.5268, 77.1962,
53.4189

■ 45.0291, 75.5321,
46.9757

■ 42.4325, 74.3192,
41.1762

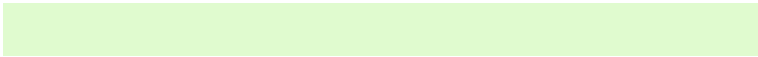
■ 40.6285, 73.5019,
35.9978

■ 39.6237, 73.0655,
32.2661

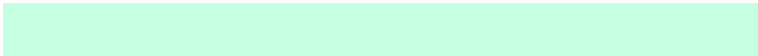
Harmonies

Analogous

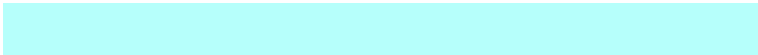
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5361, 89.2082, 72.1858



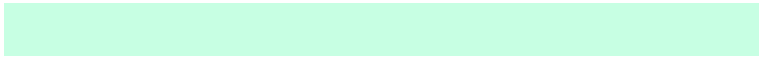
73.1783, 89.2082, 86.0350



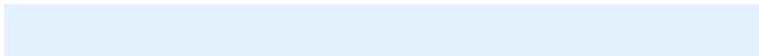
72.8310, 89.2082, 104.7723

Triad

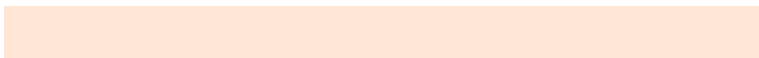
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1783, 89.2082, 86.0350



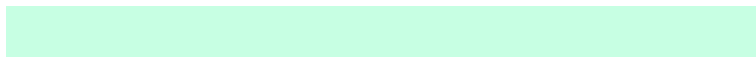
87.4169, 89.2082, 137.7613



94.7408, 89.2082, 74.6774

Complementary

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



73.1783, 89.2082, 86.0350



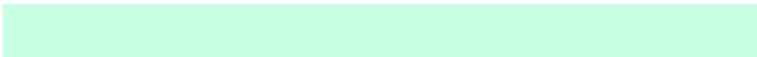
75.5290, 67.6538, 81.7507

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.



97.9907, 89.2082, 89.8735



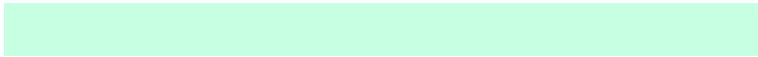
73.1783, 89.2082, 86.0350



93.6164, 89.2082, 127.2516

Square

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



73.1783, 89.2082, 86.0350



80.8206, 89.2082, 136.3786



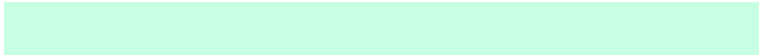
97.5687, 89.2082, 109.1456



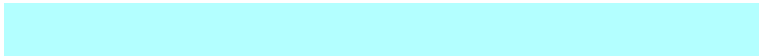
88.8867, 89.2082, 66.2460

Rectangle

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



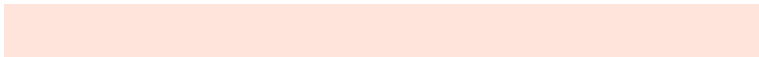
73.1783, 89.2082, 86.0350



74.3298, 89.2082, 117.7513



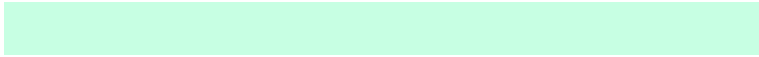
97.5687, 89.2082, 109.1456



96.1875, 89.2082, 79.0732

Sweetspot

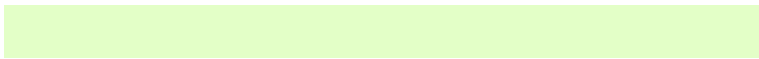
The Sweet Spot groups the original color and five complimentary colors.



73.1791, 89.2085, 86.0364



87.3813, 96.2088, 101.2141



77.7479, 91.9747, 67.6891



18.5683, 20.5260, 21.5259



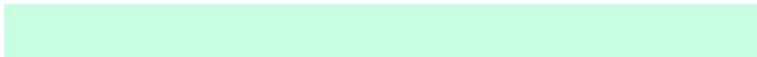
0.0000, 0.0000, 0.0000



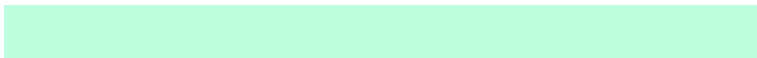
20.3446, 21.4041, 23.3091

Same Dimension

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



73.1791, 89.2085, 86.0364



69.8368, 87.5664, 82.2239



77.3637, 90.8824, 108.0723



18.1504, 20.3197, 21.0949



20.7796, 38.2084, 17.2566



2.0784, 3.7423, 1.9705

Inverse Universe

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



75.5290, 67.6538, 81.7507



72.5377, 62.7921, 77.2980



71.9729, 66.2313, 63.0245



18.3882, 18.1386, 20.6612



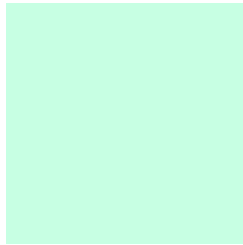
23.6427, 11.9464, 12.0350



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 73.1783, 89.2082, 86.0350 looks on a white background.

Color Contrast Check

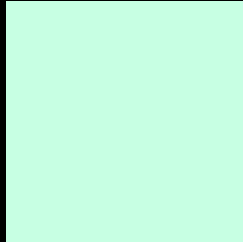
Large Text (above 18pt) WCAG AA × Fail

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 73.1783, 89.2082, 86.0350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

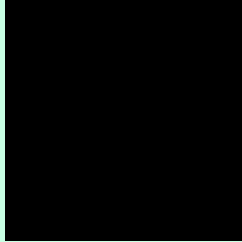
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

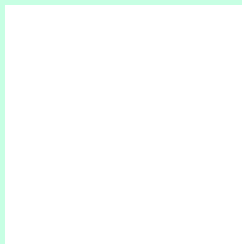
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.1783, 89.2082, 86.0350

Background



This preview shows how black text looks on a background with the XYZ color 73.1783, 89.2082, 86.0350.



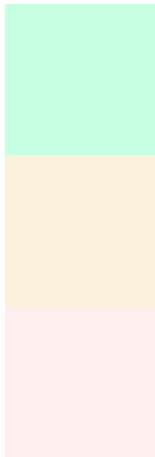
This preview shows how white text looks on a background with the XYZ color 73.1783, 89.2082,

86.0350.

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

73.1783, 89.2082, 86.0350

Protanopia

84.1572, 88.5871, 80.3736

Deuteranopia

87.1006, 88.5235, 92.6168



Tritanopia

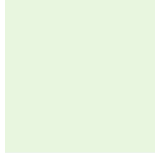
82.0664, 88.6936, 107.4019

Trichromacy



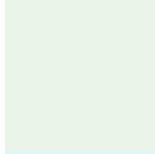
Original Color

73.1783, 89.2082, 86.0350



Protanomaly

79.5538, 88.3951, 82.6811



Deuteranomaly

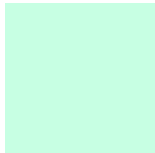
81.3196, 88.2467, 89.8381



Tritanomaly

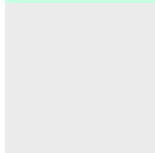
78.6760, 88.9429, 99.4072

Monochromacy



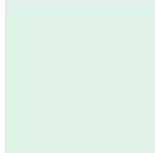
Original Color

73.1783, 89.2082, 86.0350



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.4418, 84.8601, 88.6946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1783, 89.2082, 86.0350 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 73.1783, 89.2082, 86.0350 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, 227) }
```


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

```
.border{ border-color:rgb(199, 255, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1783, 89.2082, 86.0350 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, 227) }
```

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

```
.background{ background-color: rgb(199,  
255, 227) }
```

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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