

Converting Colors

XYZ(73.3653, 89.4373, 80.0458)

Have a look what the booklet for
XYZ(73.3653, 89.4373, 80.0458)
contains.

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Color

**XYZ(73.3167, 89.4193,
79.7251)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFDA
RGB	204, 255, 218
RGB Percent	80%, 100%, 85%
CMY	0.2000, 0.0000, 0.1451
CMYK	0.20, 0.00, 0.15, 0.00
HSL	136°, 100%, 90%
HSV	136°, 20%, 100%
XYZ	73.3167, 89.4193, 79.7251
YIQ	235.5330, -18.5190, -22.3190

Conversions

Conversions Part 2

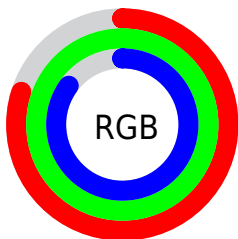
Format	Color
R_{YB}	204, 244, 255
Decimal	13434842
CIE _{Lab}	95.76, -23.15, 12.42
CIE _{LCh}	96, 26.270, 151.789
Yxy	89.4193, 0.3024, 0.3688
Android (android.graphics.Color)	4291624922 (0xFFCCFFDA)
YUV	235.5330, -8.6438, -27.6544
Hunter-Lab	94.5618, -27.0865, 16.2058

Details

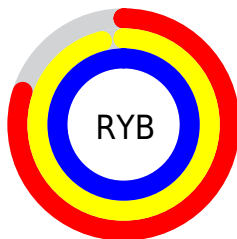
The XYZ color **73.3167, 89.4193, 79.7251** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.7104, 70.7974, 92.7356**, and the grayscale version is **79.4455, 83.5829, 91.0217**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1994, 49.4221, 42.1237** is the 20% darker color. If you saturate the color by 10%, you get **64.6027, 85.1913, 67.3778**, and if you desaturate by 10%, it is **83.4467, 94.3460, 93.5520**.

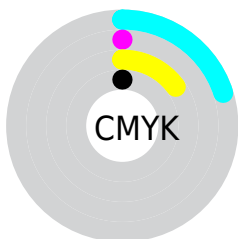
Distribution



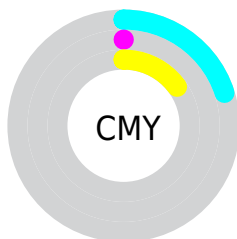
- Red (80%)
- Green (100%)
- Blue (85%)



- Red (80%)
- Yellow (96%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3167, 89.4193, 79.7251 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 73.3167, 89.4193, 79.7251 by changing the saturation by 10% instead.


 73.3167, 89.4193,
79.7251

 73.3167, 89.4193,
79.7251

461.1985,
526.1400, 513.6882

 54.5243, 67.4991,
58.9673


122.9274,
146.5315, 134.7871

 39.2533, 49.4904,
42.1670


154.4764,
182.4923, 169.9284

 27.1384, 35.0086,
28.9055

191.0083,
223.9021, 210.7012

 17.8143, 23.6695,
18.7644

232.8884,
271.1454, 257.5242

 10.9157, 15.0886,
11.3251

280.4821,
324.6064, 310.8159

 6.0770, 8.8816,
6.1690

334.1548,

 2.9331, 4.6640,

384.6695, 370.9947

2.8777

394.2718,
451.7193, 438.4793

■ 1.1185, 2.0515,
1.0325

■ 0.0405, 0.6372,
0.0000

■ 73.3167, 89.4193,
79.7251

■ 73.3167, 89.4193,
79.7251

■ 64.6027, 85.1913,
67.3778

■ 83.4467, 94.3460,
93.5520

■ 57.2380, 81.6288,
56.4567

95.0500, 100.0000,
108.9000

■ 51.1537, 78.6972,
46.9114

■ 46.2740, 76.3586,
38.6868

■ 42.5145, 74.5707,
31.7241

■ 39.7794, 73.2855,
25.9601

■ 37.9558, 72.4461,
21.3256

■ 36.8657, 71.9623,
17.7423

■ 36.8656, 71.9622,
17.7421

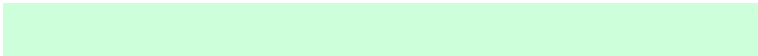
Harmonies

Analogous

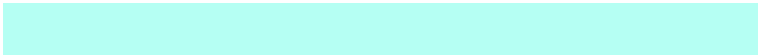
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8738, 89.4193, 67.2850



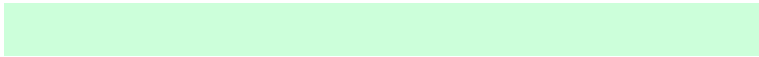
73.3167, 89.4193, 79.7251



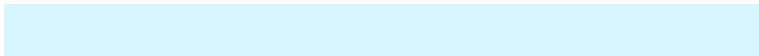
71.8362, 89.4193, 98.6112

Triad

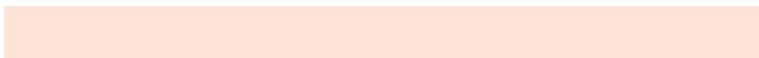
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3167, 89.4193, 79.7251



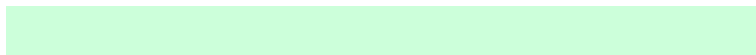
85.4253, 89.4193, 142.8354



97.3656, 89.4193, 77.8548

Complementary

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



73.3167, 89.4193, 79.7251



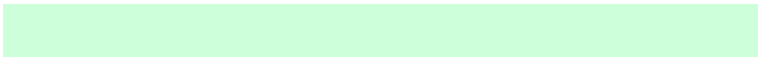
78.7104, 70.7974, 92.7356

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.



99.6596, 89.4193, 96.1242



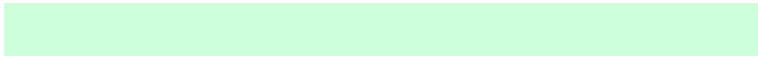
73.3167, 89.4193, 79.7251



92.5278, 89.4193, 135.2848

Square

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



73.3167, 89.4193, 79.7251



78.5854, 89.4193, 136.8391



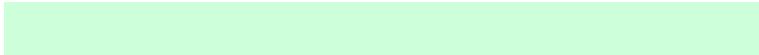
97.8417, 89.4193, 117.4261



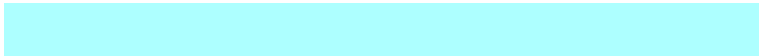
91.7342, 89.4193, 66.3177

Rectangle

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



73.3167, 89.4193, 79.7251



72.7218, 89.4193, 112.9049



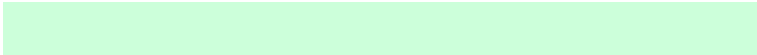
97.8417, 89.4193, 117.4261



98.5665, 89.4193, 83.3161

Sweetspot

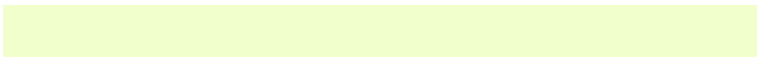
The Sweet Spot groups the original color and five complimentary colors.



73.3174, 89.4197, 79.7265



87.9074, 96.5184, 99.5053



83.0718, 94.6510, 71.0189



18.6564, 20.5812, 21.0865



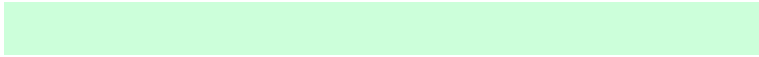
0.0000, 0.0000, 0.0000



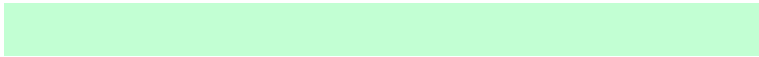
20.3446, 21.4041, 23.3091

Same Dimension

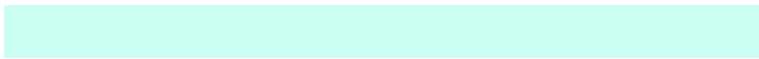
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3174, 89.4197, 79.7265



69.6647, 87.6460, 74.6117



76.8551, 90.8347, 98.3557



17.9764, 20.2501, 20.1788



19.3166, 37.6232, 9.5525



1.9245, 3.6807, 1.1601

Inverse Universe

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



78.7104, 70.7974, 92.7356



75.9492, 65.9394, 89.7669



75.2152, 69.3993, 74.3300



18.5674, 18.2103, 21.6050



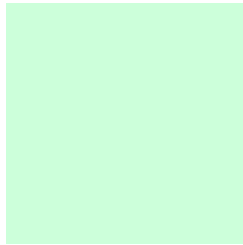
26.1905, 12.9655, 25.4515



2.5962, 1.2809, 2.7210

Previews

White Background



This preview shows how the XYZ color 73.3167, 89.4193, 79.7251 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 73.3167, 89.4193, 79.7251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

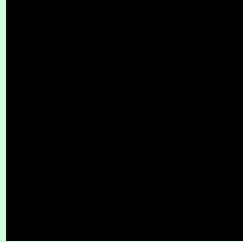
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

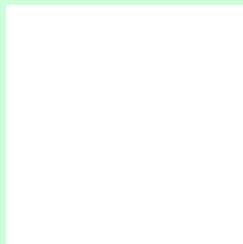
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.3167, 89.4193, 79.7251

Background



This preview shows how black text looks on a background with the XYZ color 73.3167, 89.4193, 79.7251.



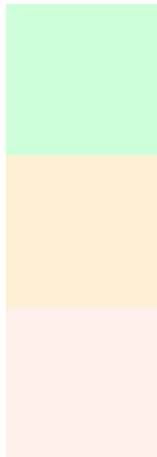
This preview shows how white text looks on a background with the XYZ color 73.3167, 89.4193,

79.7251.

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

73.3167, 89.4193, 79.7251

Protanopia

84.0862, 88.6846, 74.3140

Deuteranopia

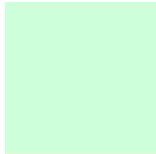
87.1019, 88.9912, 91.1835



Tritanopia

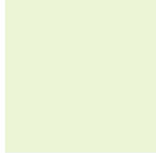
83.0155, 89.1828, 107.4464

Trichromacy



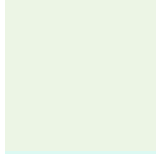
Original Color

73.3167, 89.4193, 79.7251



Protanomaly

79.6854, 88.5994, 76.5199



Deuteranomaly

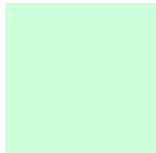
81.3873, 88.7948, 86.9783



Tritanomaly

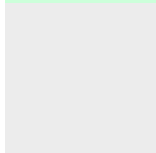
79.4179, 89.3778, 97.0703

Monochromacy



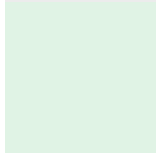
Original Color

73.3167, 89.4193, 79.7251



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

76.9339, 85.6056, 86.5974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.3167, 89.4193, 79.7251 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 73.3167, 89.4193, 79.7251 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, 218) }
```


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

```
.border{ border-color:rgb(204, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 73.3167, 89.4193, 79.7251 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, 218) }
```

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

```
.background{ background-color: rgb(204,  
255, 218) }
```

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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