

Converting Colors

XYZ(83.6049, 109.4943,
82.9784)

Have a look what the booklet for
XYZ(83.6049, 109.4943, 82.9784)
contains.

XYZ(73.5917, 89.5611, 79.7380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(73.5917, 89.5611,
79.7380)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFFDA
RGB	205, 255, 218
RGB Percent	80%, 100%, 85%
CMY	0.1961, 0.0000, 0.1451
CMYK	0.20, 0.00, 0.15, 0.00
HSL	136°, 100%, 90%
HSV	136°, 20%, 100%
XYZ	73.5917, 89.5611, 79.7380
YIQ	235.8320, -17.9230, -22.1070

Conversions

Conversions Part 2

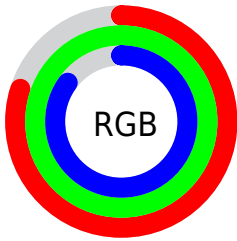
Format	Color
RYB	205, 245, 255
Decimal	13500378
CIELab	95.81, -22.83, 12.51
CIElCh	96, 26.034, 151.280
Yxy	89.5611, 0.3030, 0.3687
Android (android.graphics.Color)	4291690458 (0xFFCDDFDA)
YUV	235.8320, -8.7912, -27.0397
Hunter-Lab	94.6367, -26.8086, 16.2898

Details

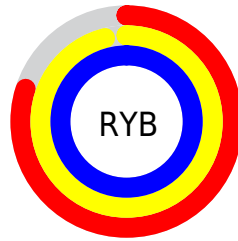
The XYZ color **73.5917, 89.5611, 79.7380** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.0986, 71.3341, 93.6039**, and the grayscale version is **79.6748, 83.8241, 91.2844**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3826, 49.5165, 42.1323** is the 20% darker color. If you saturate the color by 10%, you get **64.7907, 85.2933, 67.1619**, and if you desaturate by 10%, it is **83.8216, 94.5330, 93.8512**.

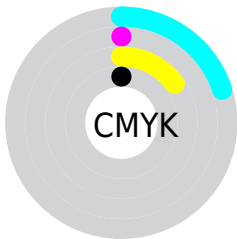
Distribution



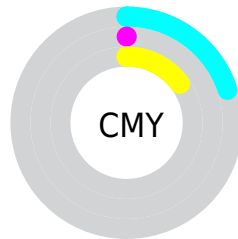
- Red (80%)
- Green (100%)
- Blue (85%)



- 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 73.5917, 89.5611, 79.7380 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 73.5917, 89.5611, 79.7380 by changing the saturation by 10% instead.


 73.5917, 89.5611,
79.7380

 73.5917, 89.5611,
79.7380


462.1351,
526.6021, 513.7329

 54.7500, 67.6167,
58.9779


123.3155,
146.7286, 134.8054

 39.4347, 49.5860,
42.1754


154.9282,
182.7205, 169.9497

 27.2803, 35.0845,
28.9121


191.5288,
224.1636, 210.7259

 17.9215, 23.7280,
18.7693

233.4824,
271.4424, 257.5524

 10.9930, 15.1320,
11.3286

281.1545,
324.9412, 310.8478

 6.1294, 8.9121,
6.1714

334.9104,

 2.9653, 4.6839,

385.0445, 371.0307

2.8791

395.1155,
452.1367, 438.5195

■ 1.1355, 2.0630,
1.0332

■ 0.0545, 0.6437,
0.0000

■ 73.5917, 89.5611,
79.7380

■ 73.5917, 89.5611,
79.7380

■ 64.7907, 85.2933,
67.1619

■ 83.8216, 94.5330,
93.8512

■ 57.3518, 81.6962,
56.0668

95.0500, 100.0000,
108.9000

■ 51.2055, 78.7353,
46.3990

■ 46.2756, 76.3724,
38.1003

■ 42.4775, 74.5652,
31.1081

■ 39.7150, 73.2656,
25.3552

■ 37.8752, 72.4168,
20.7678

■ 36.7870, 71.9323,
17.2628

■ 36.7524, 71.9170,
17.1458

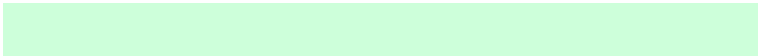
Harmonies

Analogous

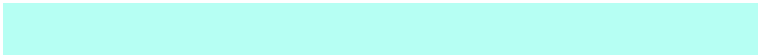
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1618, 89.5611, 67.4998



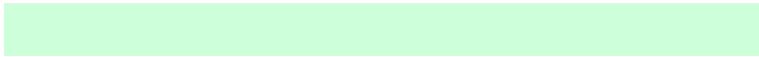
73.5917, 89.5611, 79.7380



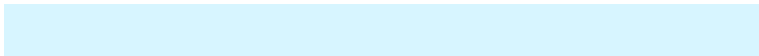
72.0654, 89.5611, 98.4019

Triad

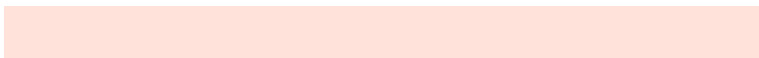
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.5917, 89.5611, 79.7380



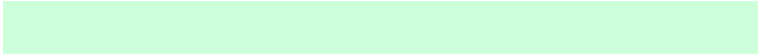
85.4336, 89.5611, 142.5857



97.4671, 89.5611, 78.4090

Complementary

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



73.5917, 89.5611, 79.7380



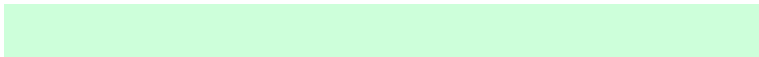
79.0986, 71.3341, 93.6039

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.



99.6744, 89.5611, 96.6370



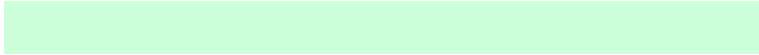
73.5917, 89.5611, 79.7380



92.4903, 89.5611, 135.3273

Square

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



73.5917, 89.5611, 79.7380



78.6670, 89.5611, 136.4281



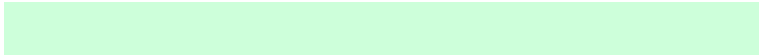
97.8047, 89.5611, 117.7594



91.9274, 89.5611, 66.8117

Rectangle

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



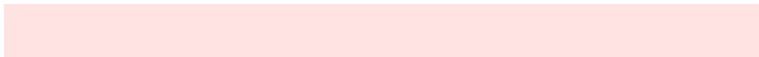
73.5917, 89.5611, 79.7380



72.9073, 89.5611, 112.5688



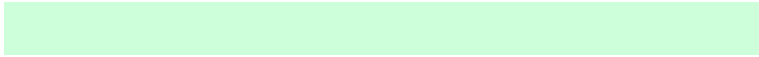
97.8047, 89.5611, 117.7594



98.6370, 89.5611, 83.8702

Sweetspot

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



73.5924, 89.5614, 79.7394



87.8737, 96.5049, 99.3279



83.5696, 94.8938, 71.6703



18.6484, 20.5781, 21.0447



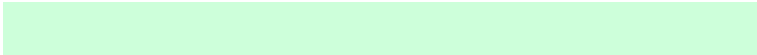
0.0000, 0.0000, 0.0000



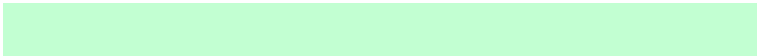
20.3446, 21.4041, 23.3091

Same Dimension

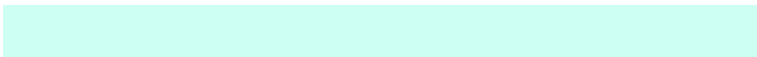
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.5924, 89.5614, 79.7394



69.5540, 87.6017, 74.0285



77.0395, 90.9403, 97.8918



17.9654, 20.2457, 20.1208



19.2553, 37.5987, 9.2294



1.9172, 3.6778, 1.1219

Inverse Universe

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



79.0986, 71.3341, 93.6039



76.0801, 65.9917, 90.4565



75.6614, 69.9592, 75.5036



18.5791, 18.2150, 21.6667



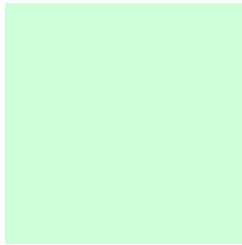
26.3954, 13.0475, 26.5305



2.6147, 1.2883, 2.8186

Previews

White Background



This preview shows how the XYZ color 73.5917, 89.5611, 79.7380 looks on a white background.

Color Contrast Check

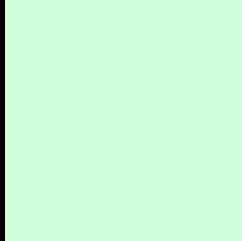
Large Text (above 18pt) WCAG AA × Fail

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 73.5917, 89.5611, 79.7380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

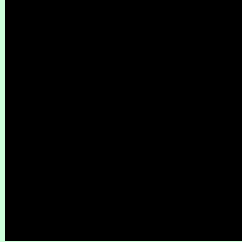
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

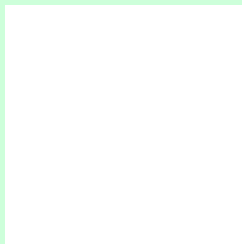
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.5917, 89.5611, 79.7380

Background



This preview shows how black text looks on a background with the XYZ color 73.5917, 89.5611, 79.7380.



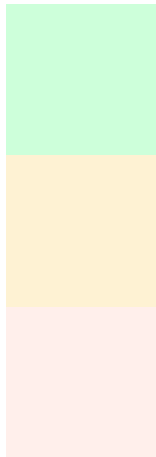
This preview shows how white text looks on a background with the XYZ color 73.5917, 89.5611,

79.7380.

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

73.5917, 89.5611, 79.7380

Protanopia

84.3831, 89.2782, 74.4130

Deuteranopia

87.1019, 88.9912, 91.1835



Tritanopia

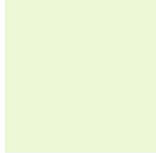
83.0155, 89.1828, 107.4464

Trichromacy



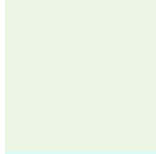
Original Color

73.5917, 89.5611, 79.7380



Protanomaly

79.9904, 89.2094, 76.6215



Deuteranomaly

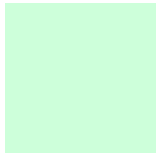
81.7203, 88.9665, 86.9939



Tritanomaly

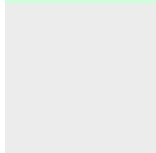
79.4179, 89.3778, 97.0703

Monochromacy



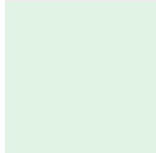
Original Color

73.5917, 89.5611, 79.7380



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.2448, 85.7659, 86.6120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.5917, 89.5611, 79.7380 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(205, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(205, 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(205, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 73.5917, 89.5611, 79.7380 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(205, 255, 218) }
```


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

```
.border{ border-color:rgb(205, 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(205, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 73.5917, 89.5611, 79.7380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 218) }
```

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

```
.background{ background-color: rgb(205,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor