

Converting Colors

XYZ(73.6860, 89.6306, 78.7983)

Have a look what the booklet for
XYZ(73.6860, 89.6306, 78.7983)
contains.

XYZ(73.7380, 89.6516, 79.0637)	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(73.7380, 89.6516,
79.0637)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFD9
RGB	206, 255, 217
RGB Percent	81%, 100%, 85%
CMY	0.1922, 0.0000, 0.1490
CMYK	0.19, 0.00, 0.15, 0.00
HSL	133°, 100%, 90%
HSV	133°, 19%, 100%
XYZ	73.7380, 89.6516, 79.0637
YIQ	236.0170, -17.0060, -22.2060

Conversions

Conversions Part 2

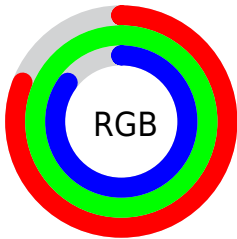
Format	Color
R _Y B	206, 246, 255
Decimal	13565913
CIE Lab	95.85, -22.69, 13.08
CIE LCh	96, 26.192, 150.029
Yxy	89.6516, 0.3041, 0.3698
Android (android.graphics.Color)	4291755993 (0xFFCEFFD9)
YUV	236.0170, -9.3754, -26.3249
Hunter-Lab	94.6845, -26.6865, 16.7707

Details

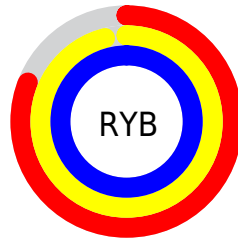
The XYZ color **73.7380, 89.6516, 79.0637** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.6408, 71.9350, 95.2750**, and the grayscale version is **79.8203, 83.9771, 91.4511**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4782, 49.5761, 41.6708** is the 20% darker color. If you saturate the color by 10%, you get **64.8035, 85.3252, 66.0136**, and if you desaturate by 10%, it is **84.1307, 94.6939, 93.7937**.

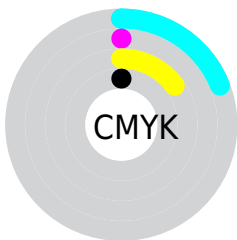
Distribution



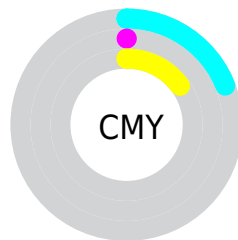
- Red (81%)
- Green (100%)
- Blue (85%)



- Red (81%)
- Yellow (96%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.7380, 89.6516, 79.0637 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 73.7380, 89.6516, 79.0637 by changing the saturation by 10% instead.


 73.7380, 89.6516,
79.0637

 73.7380, 89.6516,
79.0637

462.6329,
526.8969, 511.3951

 54.8701, 67.6917,
58.4266


123.5218,
146.8544, 133.8480

 39.5312, 49.6470,
41.7347


155.1685,
182.8660, 168.8323

 27.3558, 35.1330,
28.5696


191.8055,
224.3304, 209.4360

 17.9786, 23.7653,
18.5127

233.7982,
271.6319, 256.0777

 11.0342, 15.1596,
11.1455

281.5120,
325.1549, 309.1759

 6.1573, 8.9315,
6.0494

335.3121,

 2.9825, 4.6965,

385.2838, 369.1492

2.8058

395.5639,
452.4030, 436.4161

■ 1.1445, 2.0703,
0.9964

■ 0.0619, 0.6479,
0.0000

■ 73.7380, 89.6516,
79.0637

■ 73.7380, 89.6516,
79.0637

■ 64.8035, 85.3252,
66.0136

■ 84.1307, 94.6939,
93.7937

■ 57.2588, 81.6811,
54.5796

95.0500, 100.0000,
108.9000

■ 51.0334, 78.6840,
44.6998

■ 46.0494, 76.2953,
36.3068

■ 42.2207, 74.4720,
29.3282

■ 39.4495, 73.1654,
23.6855

■ 37.6213, 72.3183,
19.2925

■ 36.5693, 71.8466,
16.0510

■ 36.5047, 71.8179,
15.8417

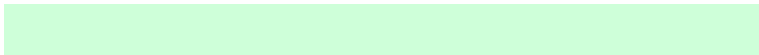
Harmonies

Analogous

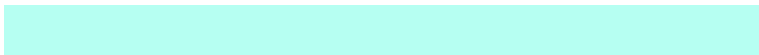
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4486, 89.6516, 67.0712



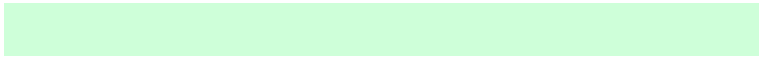
73.7380, 89.6516, 79.0637



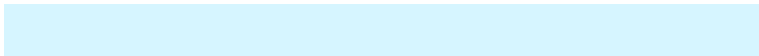
72.0644, 89.6516, 97.6352

Triad

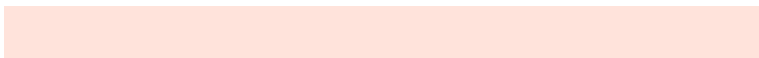
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7380, 89.6516, 79.0637



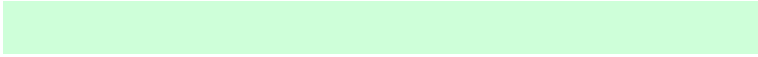
85.2181, 89.6516, 143.0346



97.8090, 89.6516, 79.0338

Complementary

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



73.7380, 89.6516, 79.0637



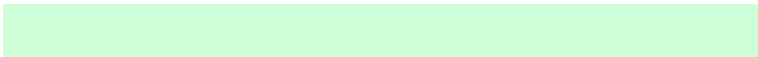
79.6408, 71.9350, 95.2750

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.



99.8668, 89.6516, 97.5955



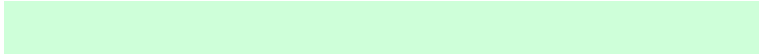
73.7380, 89.6516, 79.0637



92.3516, 89.6516, 136.2575

Square

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



73.7380, 89.6516, 79.0637



78.4600, 89.6516, 136.2823



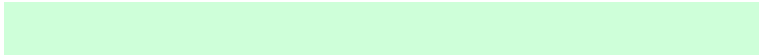
97.8166, 89.6516, 118.8632



92.3389, 89.6516, 67.0557

Rectangle

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



73.7380, 89.6516, 79.0637



72.8181, 89.6516, 111.8806



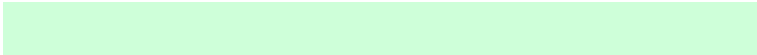
97.8166, 89.6516, 118.8632



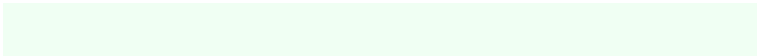
98.9361, 89.6516, 84.6174

Sweetspot

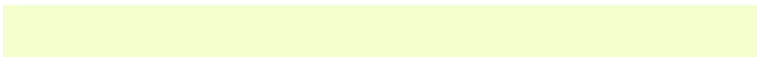
The Sweet Spot groups the original color and five complimentary colors.



73.7387, 89.6519, 79.0651



87.7915, 96.4720, 98.8947



84.3423, 95.2781, 72.3388



18.6291, 20.5703, 20.9426



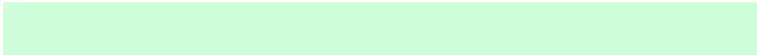
0.0000, 0.0000, 0.0000



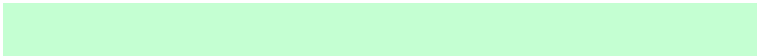
20.3446, 21.4041, 23.3091

Same Dimension

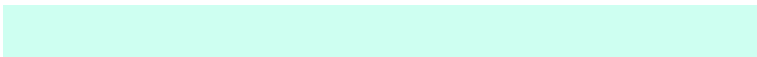
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7387, 89.6519, 79.0651



70.1889, 87.9319, 73.9311



77.1087, 90.9999, 96.8115



17.9385, 20.2349, 19.9793



19.1203, 37.5447, 8.5185



1.9007, 3.6712, 1.0351

Inverse Universe

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



79.6408, 71.9350, 95.2750



77.0609, 67.2987, 92.8012



76.2147, 70.5646, 77.2334



18.6079, 18.2265, 21.8182



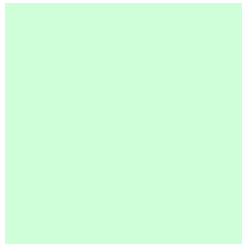
26.9189, 13.2569, 29.2873



2.6618, 1.3071, 3.0664

Previews

White Background



This preview shows how the XYZ color 73.7380, 89.6516, 79.0637 looks on a white background.

Color Contrast Check

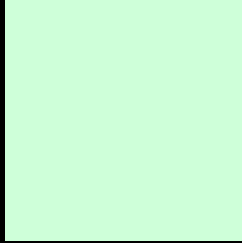
Large Text (above 18pt) WCAG AA × Fail

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 73.7380, 89.6516, 79.0637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

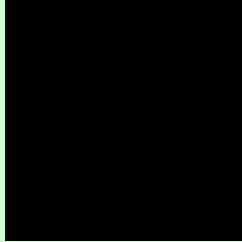
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

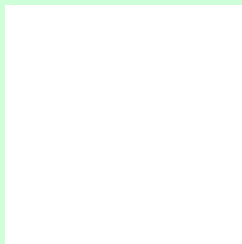
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.7380, 89.6516, 79.0637

Background



This preview shows how black text looks on a background with the XYZ color 73.7380, 89.6516, 79.0637.



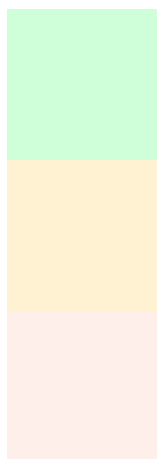
This preview shows how white text looks on a background with the XYZ color 73.7380, 89.6516,

79.0637.

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

73.7380, 89.6516, 79.0637

Protanopia

84.2580, 89.2282, 73.7547

Deuteranopia

87.1019, 88.9912, 91.1835



Tritanopia

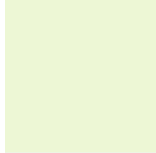
83.3355, 89.3478, 107.4613

Trichromacy



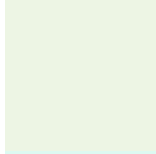
Original Color

73.7380, 89.6516, 79.0637



Protanomaly

80.1961, 89.3301, 75.9664



Deuteranomaly

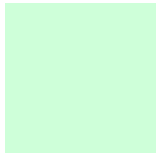
81.5811, 88.9108, 86.2605



Tritanomaly

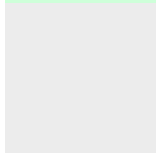
79.5717, 89.4744, 96.2955

Monochromacy



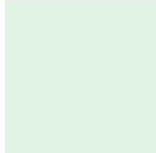
Original Color

73.7380, 89.6516, 79.0637



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 73.7380, 89.6516, 79.0637 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(206, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 217)  
}
```

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(206, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 73.7380, 89.6516, 79.0637 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(206, 255, 217) }
```


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

```
.border{ border-color:rgb(206, 255, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(206, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7380, 89.6516, 79.0637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 217) }
```

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

```
.background{ background-color: rgb(206,  
255, 217) }
```

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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