

Converting Colors

XYZ(74.4058, 89.8552, 85.4491)

Have a look what the booklet for
XYZ(74.4058, 89.8552, 85.4491)
contains.

XYZ(74.3893, 89.8484, 85.3732)	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(74.3893, 89.8484,
85.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE2
RGB	204, 255, 226
RGB Percent	80%, 100%, 89%
CMY	0.2000, 0.0000, 0.1137
CMYK	0.20, 0.00, 0.11, 0.00
HSL	146°, 100%, 90%
HSV	146°, 20%, 100%
XYZ	74.3893, 89.8484, 85.3732
YIQ	236.4450, -21.0870, -19.8310

Conversions

Conversions Part 2

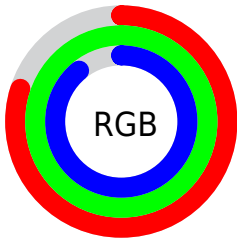
Format	Color
R_{YB}	204, 240, 255
Decimal	13434850
CIE _{Lab}	95.93, -21.69, 8.57
CIE _{LCh}	96, 23.323, 158.453
Yxy	89.8484, 0.2980, 0.3600
Android (android.graphics.Color)	4291624930 (0xFFCCFFE2)
YUV	236.4450, -5.1494, -28.4543
Hunter-Lab	94.7884, -25.7941, 12.9511

Details

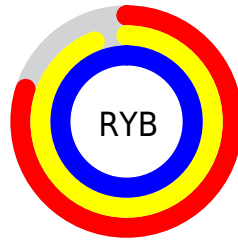
The XYZ color **74.3893, 89.8484, 85.3732** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.5413, 70.3298, 86.5789**, and the grayscale version is **80.1193, 84.2917, 91.7937**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9392, 49.7180, 46.0196** is the 20% darker color. If you saturate the color by 10%, you get **66.0564, 85.7728, 75.0330**, and if you desaturate by 10%, it is **84.0363, 94.5818, 96.6561**.

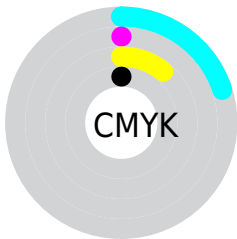
Distribution



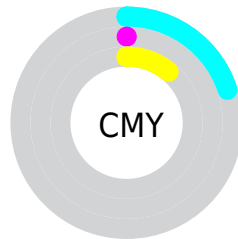
- Red (80%)
- Green (100%)
- Blue (89%)



- Red (80%)
- Yellow (94%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.3893, 89.8484, 85.3732 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 74.3893, 89.8484, 85.3732 by changing the saturation by 10% instead.


 74.3893, 89.8484,
85.3732

 74.3893, 89.8484,
85.3732


464.8455,
527.5376, 533.0389

 55.4051, 67.8549,
63.5979


124.4401,
147.1278, 142.7733

 39.9613, 49.7797,
45.8809


156.2374,
183.1825, 179.2351

 27.6925, 35.2384,
31.8039


193.0364,
224.6931, 221.4295

 18.2332, 23.8466,
20.9482

235.2026,
272.0439, 269.7750

 11.2183, 15.2198,
12.8953

283.1012,
325.6193, 324.6901

 6.2822, 8.9738,
7.2266

337.0977,

 3.0597, 4.7241,

385.8038, 386.5935

3.5236

397.5573,
452.9818, 455.9036

■ 1.1854, 2.0863,
1.3678

■ 0.0948, 0.6569,
0.1164

■ 74.3893, 89.8484,
85.3732

■ 74.3893, 89.8484,
85.3732

■ 66.0564, 85.7728,
75.0330

■ 84.0363, 94.5818,
96.6561

■ 58.9756, 82.3238,
65.6067

95.0500, 100.0000,
108.9000

■ 53.0829, 79.4689,
57.0704

■ 48.3079, 77.1722,
49.3972

■ 44.5720, 75.3937,
42.5590

■ 41.7859, 74.0881,
36.5259

■ 39.8435, 73.2012,
31.2659

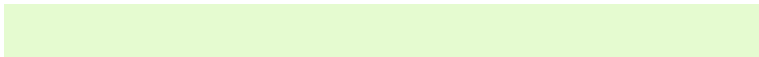
■ 38.5748, 72.6459,
26.7423

■ 38.5747, 72.6459,
26.7420

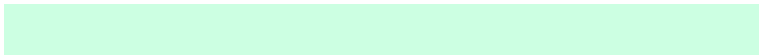
Harmonies

Analogous

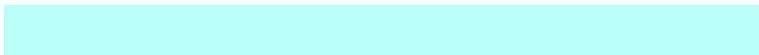
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9258, 89.8484, 72.5997



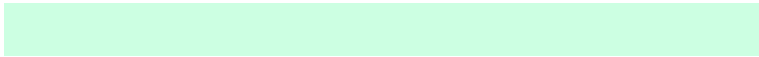
74.3893, 89.8484, 85.3732



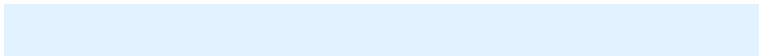
73.7246, 89.8484, 103.1368

Triad

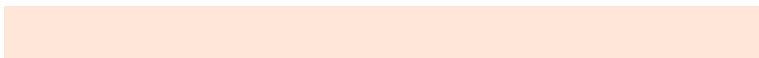
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.3893, 89.8484, 85.3732



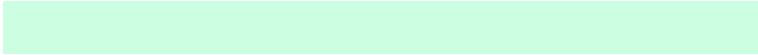
87.2318, 89.8484, 137.2734



95.4685, 89.8484, 77.3888

Complementary

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



74.3893, 89.8484, 85.3732



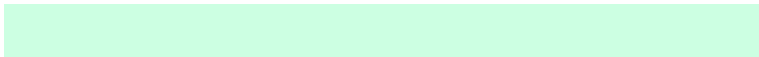
77.5413, 70.3298, 86.5789

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.



98.2432, 89.8484, 92.7077



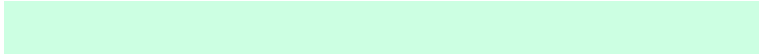
74.3893, 89.8484, 85.3732



93.3337, 89.8484, 128.3170

Square

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



74.3893, 89.8484, 85.3732



80.9302, 89.8484, 134.6666



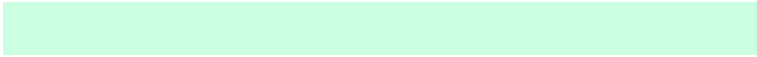
97.4430, 89.8484, 111.4423



90.0277, 89.8484, 68.4092

Rectangle

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



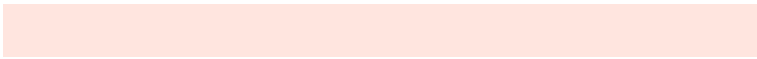
74.3893, 89.8484, 85.3732



74.9659, 89.8484, 115.7200



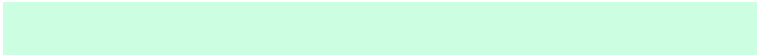
97.4430, 89.8484, 111.4423



96.7561, 89.8484, 81.8853

Sweetspot

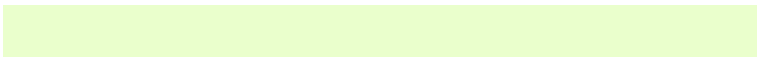
The Sweet Spot groups the original color and five complimentary colors.



74.3901, 89.8487, 85.3746



88.2741, 96.6651, 101.4363



80.5092, 93.3300, 70.8991



18.7429, 20.6159, 21.5422



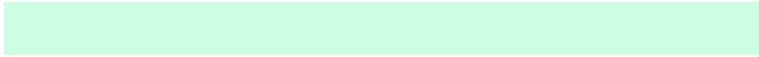
0.0000, 0.0000, 0.0000



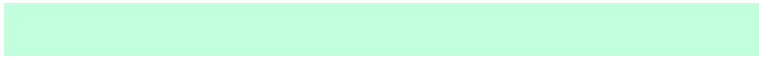
20.3446, 21.4041, 23.3091

Same Dimension

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



74.3901, 89.8487, 85.3746



70.9017, 88.1409, 81.1258



78.0355, 91.3069, 104.5715



18.0969, 20.2983, 20.8132



20.2276, 37.9876, 14.3497



2.0230, 3.7201, 1.6790

Inverse Universe

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



77.5413, 70.3298, 86.5789



74.5742, 65.3894, 82.5264



74.2495, 69.0130, 69.2444



18.4422, 18.1602, 20.9455



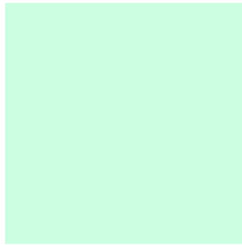
24.2955, 12.2075, 15.4724



2.4204, 1.2105, 1.7952

Previews

White Background



This preview shows how the XYZ color 74.3893, 89.8484, 85.3732 looks on a white background.

Color Contrast Check

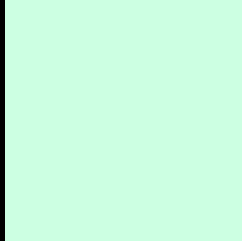
Large Text (above 18pt) WCAG AA × Fail

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 74.3893, 89.8484, 85.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

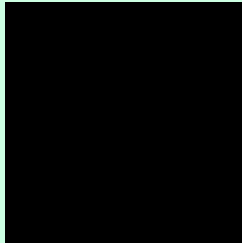
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

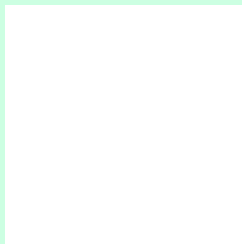
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.3893, 89.8484, 85.3732

Background



This preview shows how black text looks on a background with the XYZ color 74.3893, 89.8484, 85.3732.



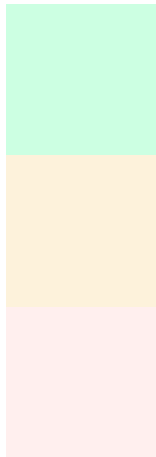
This preview shows how white text looks on a background with the XYZ color 74.3893, 89.8484,

85.3732.

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

74.3893, 89.8484, 85.3732

Protanopia

85.0463, 89.5014, 79.8109

Deuteranopia

87.5391, 89.1661, 93.4859



Tritanopia

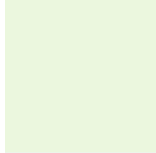
83.3189, 89.7895, 107.5475

Trichromacy



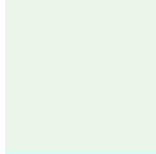
Original Color

74.3893, 89.8484, 85.3732



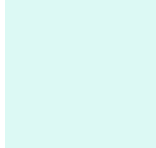
Protanomaly

80.7065, 89.4576, 82.1206



Deuteranomaly

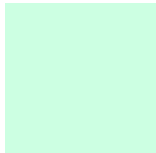
82.0958, 89.0782, 90.7088



Tritanomaly

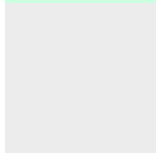
79.7200, 89.4987, 98.6612

Monochromacy



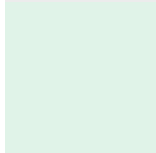
Original Color

74.3893, 89.8484, 85.3732



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.3565, 85.7747, 88.8230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.3893, 89.8484, 85.3732 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 74.3893, 89.8484, 85.3732 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, 226) }
```


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

```
.border{ border-color:rgb(204, 255, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 74.3893, 89.8484, 85.3732 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, 226) }
```

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

```
.background{ background-color: rgb(204,  
255, 226) }
```

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