

# Converting Colors

XYZ(74.2729, 89.7595, 86.6704)

Have a look what the booklet for  
XYZ(74.2729, 89.7595, 86.6704)  
contains.

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# Color

**XYZ(74.3922, 89.8179,  
86.8145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBFFE4
RGB	203, 255, 228
RGB Percent	80%, 100%, 89%
CMY	0.2039, 0.0000, 0.1059
CMYK	0.20, 0.00, 0.11, 0.00
HSL	149°, 100%, 90%
HSV	149°, 20%, 100%
XYZ	74.3922, 89.8179, 86.8145
YIQ	236.3740, -22.3250, -19.4210

# Conversions

## Conversions Part 2

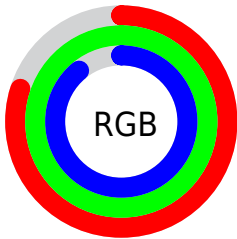
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 238, 255
Decimal	13369316
CIE Lab	95.92, -21.63, 7.51
CIE LCh	96, 22.900, 160.851
Yxy	89.8179, 0.2964, 0.3578
Android (android.graphics.Color)	4291559396 (0xFFCBBFE4)
YUV	236.3740, -4.1284, -29.2690
Hunter-Lab	94.7723, -25.7367, 12.0291

# Details

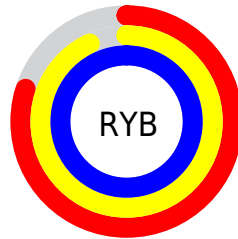
The XYZ color **74.3922, 89.8179, 86.8145** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.8794, 69.6861, 84.2618**, and the grayscale version is **80.0580, 84.2272, 91.7234**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9497, 49.7012, 47.0229** is the 20% darker color. If you saturate the color by 10%, you get **66.2412, 85.8203, 77.2034**, and if you desaturate by 10%, it is **83.8278, 94.4616, 97.2234**.

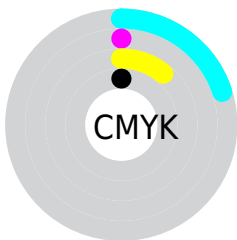
# Distribution



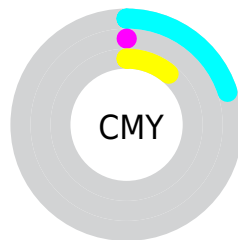
- Red (80%)
- Green (100%)
- Blue (89%)



- Red (80%)
- Yellow (93%)
- 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 74.3922, 89.8179, 86.8145 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 74.3922, 89.8179, 86.8145 by changing the saturation by 10% instead.




 74.3922, 89.8179,  
86.8145

 74.3922, 89.8179,  
86.8145


464.8553,  
527.4383, 537.9135

 55.4075, 67.8296,  
64.7830


124.4441,  
147.0854, 144.8021

 39.9632, 49.7591,  
46.8349


156.2421,  
183.1335, 181.5953

 27.6940, 35.2221,  
32.5517

193.0419,  
224.6369, 224.1461

 18.2344, 23.8340,  
21.5150

235.2088,  
271.9800, 272.8731

 11.2191, 15.2105,  
13.3060

283.1083,  
325.5474, 328.1948

 6.2828, 8.9673,  
7.5064

337.1056,

 3.0601, 4.7198,

385.7233, 390.5297

3.6976

397.5662,  
452.8921, 460.2964

■ 1.1856, 2.0838,  
1.4609

■ 0.0950, 0.6555,  
0.1886

■ 74.3922, 89.8179,  
86.8145

■ 74.3922, 89.8179,  
86.8145

■ 66.2412, 85.8203,  
77.2034

■ 83.8278, 94.4616,  
97.2234

■ 59.3134, 82.4373,  
68.3667

94.6005, 99.7779,  
108.4441

■ 53.5460, 79.6369,  
60.2858

95.0500, 100.0000,  
108.9000

■ 48.8691, 77.3836,  
52.9400

■ 45.2051, 75.6378,  
46.3073

■ 42.4654, 74.3541,  
40.3645

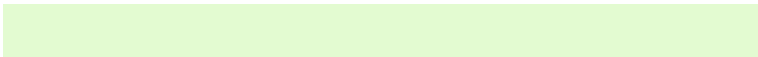
■ 40.5446, 73.4788,  
35.0867

■ 39.3102, 72.9401,  
30.6150

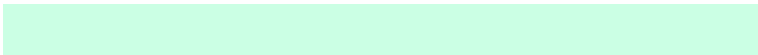
# Harmonies

## Analogous

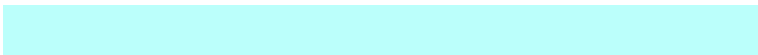
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6618, 89.8179, 73.7540



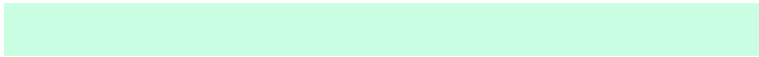
74.3922, 89.8179, 86.8145



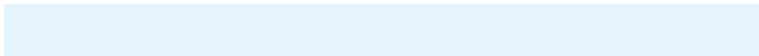
73.9776, 89.8179, 104.4984

# Triad

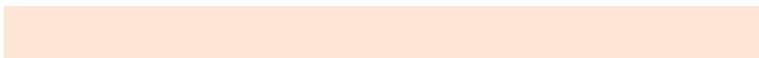
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.3922, 89.8179, 86.8145



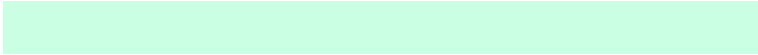
87.6784, 89.8179, 136.1306



94.8990, 89.8179, 76.7450

# Complementary

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



74.3922, 89.8179, 86.8145



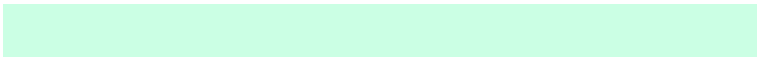
76.8794, 69.6861, 84.2618

# 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.



97.8741, 89.8179, 91.3873



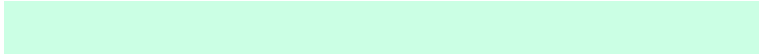
74.3922, 89.8179, 86.8145



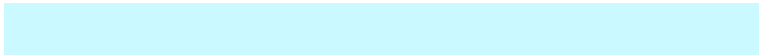
93.5705, 89.8179, 126.5669

# Square

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



74.3922, 89.8179, 86.8145



81.4432, 89.8179, 134.5115



97.3762, 89.8179, 109.6675

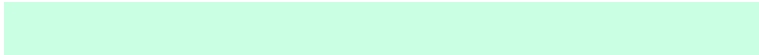


89.4194, 89.8179, 68.4556



# Rectangle

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



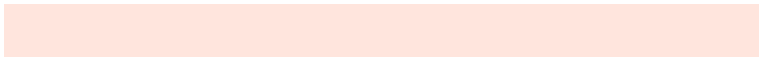
74.3922, 89.8179, 86.8145



75.3520, 89.8179, 116.7592



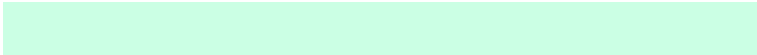
97.3762, 89.8179, 109.6675



96.2371, 89.8179, 81.0067

# Sweetspot

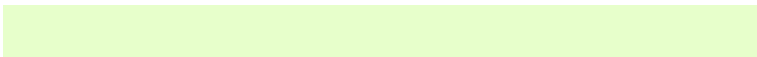
The Sweet Spot groups the original color and five complimentary colors.



74.3930, 89.8184, 86.8160



88.3906, 96.7117, 102.0496



79.4090, 92.7766, 70.2236



18.7704, 20.6269, 21.6870



0.0000, 0.0000, 0.0000

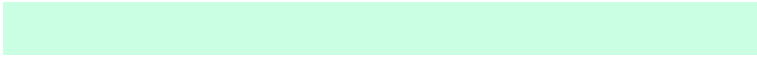


20.3446, 21.4041, 23.3091

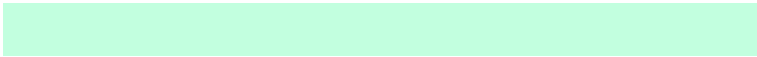


# Same Dimension

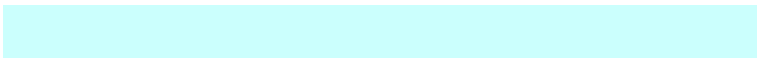
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.3930, 89.8184, 86.8160



71.3064, 88.3027, 83.2564



78.1613, 91.3257, 106.6595



18.1353, 20.3137, 21.0157



20.6150, 38.1426, 16.3895



2.0621, 3.7358, 1.8847



# Inverse Universe

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



76.8794, 69.6861, 84.2618



74.1566, 65.2223, 80.3275



73.5840, 68.3679, 66.9083



18.4032, 18.1446, 20.7407



23.8153, 12.0154, 12.9437

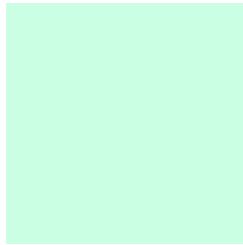


2.3740, 1.1920, 1.5511



# Previews

## White Background



This preview shows how the XYZ color 74.3922, 89.8179, 86.8145 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

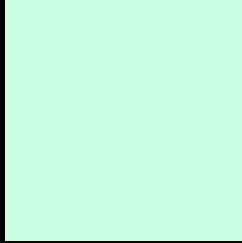
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.3922, 89.8179, 86.8145 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

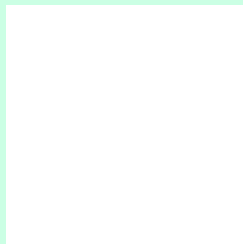
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.3922, 89.8179, 86.8145**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.3922, 89.8179, 86.8145.



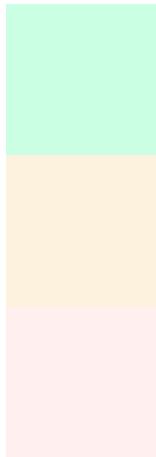
This preview shows how white text looks on a background with the XYZ color 74.3922, 89.8179,

86.8145.

# 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

74.3922, 89.8179, 86.8145

### Protanopia

84.9482, 89.4202, 81.1892

### Deuteranopia

87.5391, 89.1661, 93.4859



## **Tritanopia**

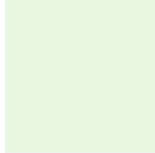
83.3189, 89.7895, 107.5475

# Trichromacy



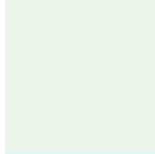
## Original Color

74.3922, 89.8179, 86.8145



## Protanomaly

80.6470, 89.3958, 83.5256



## Deuteranomaly

82.0958, 89.0782, 90.7088



## Tritanomaly

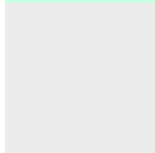
79.8723, 89.5596, 99.4632

# Monochromacy



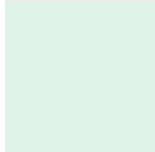
## Original Color

74.3922, 89.8179, 86.8145



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.4990, 85.8317, 89.5733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.3922, 89.8179, 86.8145 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(203, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 228)  
}
```

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(203, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 74.3922, 89.8179, 86.8145 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(203, 255, 228) }
```



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

```
.border{ border-color:rgb(203, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.3922, 89.8179, 86.8145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 228) }
```

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

```
.background{ background-color: rgb(203,  
255, 228) }
```

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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