

# Converting Colors

XYZ(120.1366, 182.8033,  
99.8064)

Have a look what the booklet for  
XYZ(120.1366, 182.8033, 99.8064)  
contains.

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# Color

**XYZ(73.3019, 89.3193,  
83.8979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FFE0
RGB	201, 255, 224
RGB Percent	79%, 100%, 88%
CMY	0.2118, 0.0000, 0.1216
CMYK	0.21, 0.00, 0.12, 0.00
HSL	146°, 100%, 89%
HSV	146°, 21%, 100%
XYZ	73.3019, 89.3193, 83.8979
YIQ	235.3200, -22.2330, -21.0890

# Conversions

## Conversions Part 2

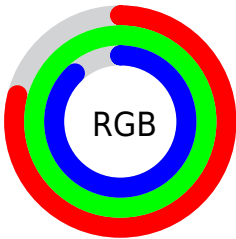
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 239, 255
Decimal	13238240
CIE Lab	95.71, -23.00, 9.25
CIE LCh	96, 24.792, 158.082
Yxy	89.3193, 0.2973, 0.3623
Android (android.graphics.Color)	4291428320 (0xFFC9FFE0)
YUV	235.3200, -5.5808, -30.0986
Hunter-Lab	94.5089, -26.9444, 13.5230

# Details

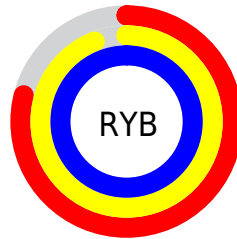
The XYZ color **73.3019, 89.3193, 83.8979** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.6925, 68.8603, 85.5931**, and the grayscale version is **79.2624, 83.3902, 90.8119**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2096, 49.3637, 44.9977** is the 20% darker color. If you saturate the color by 10%, you get **65.1057, 85.3136, 73.5935**, and if you desaturate by 10%, it is **82.8085, 93.9808, 95.1587**.

# Distribution



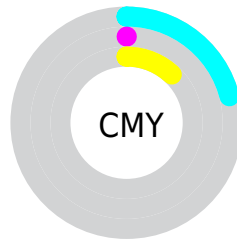
- Red (79%)
- Green (100%)
- Blue (88%)



- Red (79%)
- Yellow (94%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3019, 89.3193, 83.8979 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 73.3019, 89.3193, 83.8979 by changing the saturation by 10% instead.




 73.3019, 89.3193,  
83.8979

 73.3019, 89.3193,  
83.8979


461.1481,  
525.8141, 528.0233

 54.5121, 67.4162,  
62.3862


122.9065,  
146.3925, 140.6928

 39.2435, 49.4229,  
44.9071


154.4521,  
182.3314, 176.8131

 27.1308, 34.9551,  
31.0418


190.9803,  
223.7177, 218.6401

 17.8086, 23.6283,  
20.3720

232.8564,  
270.9358, 266.5922

 10.9115, 15.0581,  
12.4790

280.4459,  
324.3701, 321.0881

 6.0742, 8.8602,  
6.9443

334.1141,

 2.9313, 4.6501,

384.4050, 382.5462

3.3493

394.2264,  
451.4248, 451.3851

■ 1.1176, 2.0435,  
1.2757

■ 0.0397, 0.6325,  
0.0417

■ 73.3019, 89.3193,  
83.8979

■ 73.3019, 89.3193,  
83.8979

■ 65.1057, 85.3136,  
73.5935

■ 82.8085, 93.9808,  
95.1587

■ 58.1573, 81.9319,  
64.2161

■ 93.6796, 99.3254,  
107.3959

■ 52.3919, 79.1414,  
55.7407

■ 95.0500, 100.0000,  
108.9000

■ 47.7382, 76.9057,  
48.1397

■ 44.1163, 75.1843,  
41.3840

■ 41.4351, 73.9309,  
35.4426

■ 39.5860, 73.0899,  
30.2822

■ 38.4996, 72.6159,  
26.3468

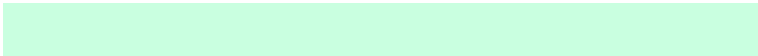
# Harmonies

## Analogous

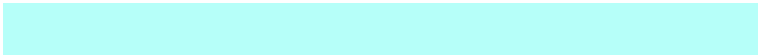
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0614, 89.3193, 70.5869



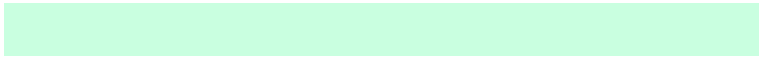
73.3019, 89.3193, 83.8979



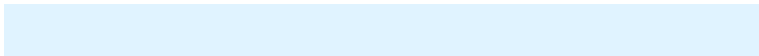
72.5631, 89.3193, 102.6295

# Triad

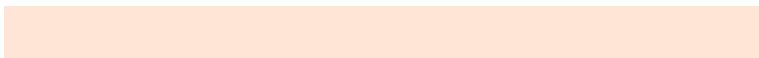
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3019, 89.3193, 83.8979



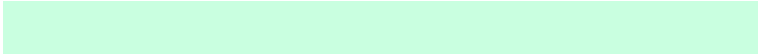
86.7523, 89.3193, 139.3751



95.6409, 89.3193, 75.8804

# Complementary

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



73.3019, 89.3193, 83.8979



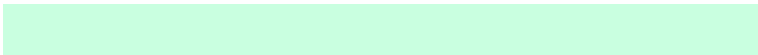
76.6925, 68.8603, 85.5931

# 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.



98.5512, 89.3193, 92.0686



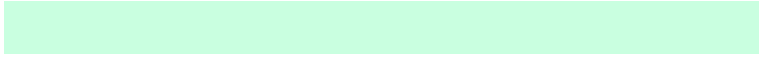
73.3019, 89.3193, 83.8979



93.2429, 89.3193, 129.9101

# Square

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



73.3019, 89.3193, 83.8979



80.0940, 89.3193, 136.4199



97.6509, 89.3193, 111.9563

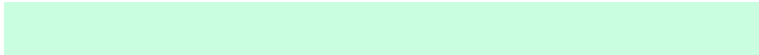


89.8848, 89.3193, 66.4080



# Rectangle

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



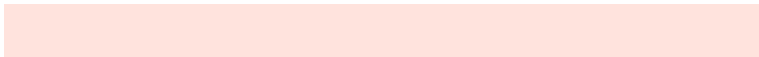
73.3019, 89.3193, 83.8979



73.8436, 89.3193, 116.0247



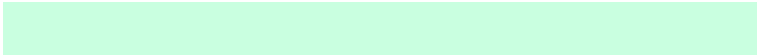
97.6509, 89.3193, 111.9563



96.9981, 89.3193, 80.6247

# Sweetspot

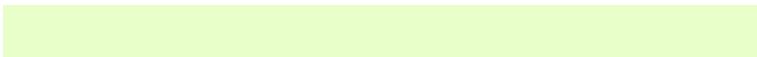
The Sweet Spot groups the original color and five complimentary colors.



73.3027, 89.3197, 83.8993



88.2613, 96.6600, 101.3688



79.7443, 92.9769, 69.0028



18.7399, 20.6146, 21.5262



0.0000, 0.0000, 0.0000

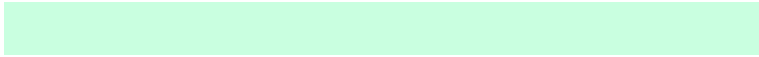


20.3446, 21.4041, 23.3091

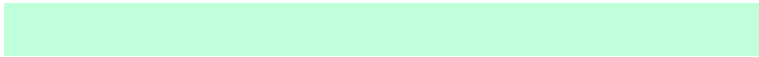


# Same Dimension

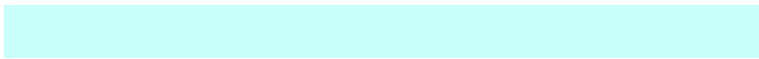
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3027, 89.3197, 83.8993



70.0166, 87.7119, 79.8469



77.1818, 90.8713, 104.3262



18.0927, 20.2966, 20.7909



20.1879, 37.9718, 14.1409



2.0189, 3.7185, 1.6576



# Inverse Universe

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



76.6925, 68.8603, 85.5931



73.9076, 64.2236, 81.7879



73.2072, 67.4662, 67.2394



18.4465, 18.1619, 20.9682



24.3518, 12.2300, 15.7687

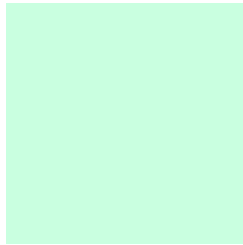


2.4258, 1.2127, 1.8234



# Previews

## White Background



This preview shows how the XYZ color 73.3019, 89.3193, 83.8979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

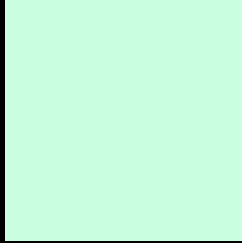
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3019, 89.3193, 83.8979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

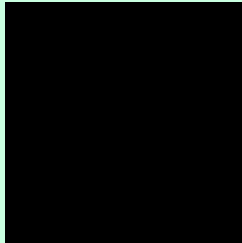
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

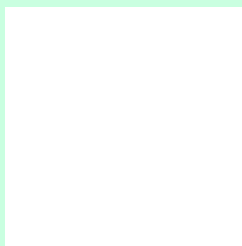
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.3019, 89.3193, 83.8979**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.3019, 89.3193, 83.8979.



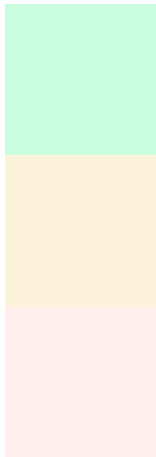
This preview shows how white text looks on a background with the XYZ color 73.3019, 89.3193,



# 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

73.3019, 89.3193, 83.8979

### Protanopia

84.1246, 88.6158, 78.3164

### Deuteranopia

86.9549, 88.4652, 91.8494



## **Tritanopia**

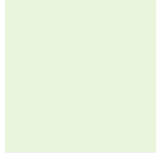
82.3810, 88.8557, 107.4167

# Trichromacy



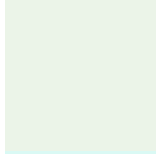
## Original Color

73.3019, 89.3193, 83.8979



## Protanomaly

79.4783, 88.4025, 80.5846



## Deuteranomaly

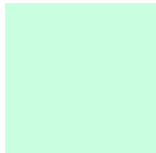
81.1771, 88.1897, 89.0878



## Tritanomaly

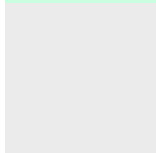
79.1183, 89.1884, 98.6331

# Monochromacy



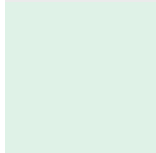
## Original Color

73.3019, 89.3193, 83.8979



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.6074, 84.9618, 87.9629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3019, 89.3193, 83.8979 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(201, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 224)  
}
```

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(201, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3019, 89.3193, 83.8979 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(201, 255, 224) }
```



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

```
.border{ border-color:rgb(201, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3019, 89.3193, 83.8979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 224) }
```

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

```
.background{ background-color: rgb(201,  
255, 224) }
```

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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