

Converting Colors

XYZ(87.5306, 118.0151,
86.8978)

Have a look what the booklet for
XYZ(87.5306, 118.0151, 86.8978)
contains.

XYZ(73.1683, 89.2970, 81.7863) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(73.1683, 89.2970,
81.7863)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFDD
RGB	202, 255, 221
RGB Percent	79%, 100%, 87%
CMY	0.2078, 0.0000, 0.1333
CMYK	0.21, 0.00, 0.13, 0.00
HSL	142°, 100%, 90%
HSV	142°, 21%, 100%
XYZ	73.1683, 89.2970, 81.7863
YIQ	235.2770, -20.6740, -21.8100

Conversions

Conversions Part 2

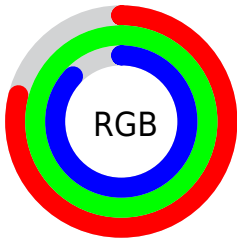
Format	Color
R _Y B	202, 241, 255
Decimal	13303773
CIE Lab	95.70, -23.24, 10.79
CIE LCh	96, 25.622, 155.095
Yxy	89.2970, 0.2996, 0.3656
Android (android.graphics.Color)	4291493853 (0xFFCAFFDD)
YUV	235.2770, -7.0386, -29.1839
Hunter-Lab	94.4971, -27.1589, 14.8331

Details

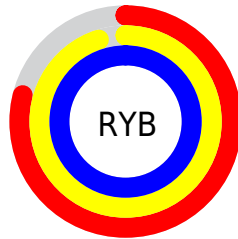
The XYZ color **73.1683, 89.2970, 81.7863** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.5013, 69.5581, 88.6982**, and the grayscale version is **79.2396, 83.3662, 90.7858**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1096, 49.3444, 43.5395** is the 20% darker color. If you saturate the color by 10%, you get **64.7547, 85.1993, 70.5647**, and if you desaturate by 10%, it is **82.9359, 94.0681, 94.1827**.

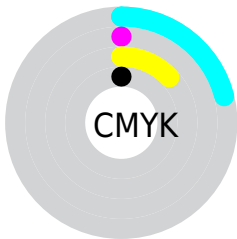
Distribution



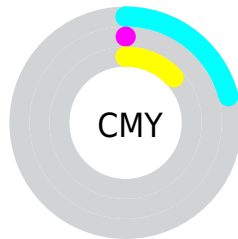
- Red (79%)
- Green (100%)
- Blue (87%)



- Red (79%)
- Yellow (95%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.1683, 89.2970, 81.7863 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 73.1683, 89.2970, 81.7863 by changing the saturation by 10% instead.


 73.1683, 89.2970,
81.7863

 73.1683, 89.2970,
81.7863


460.6927,
525.7414, 520.7973

 54.4025, 67.3977,
60.6546

122.7179,
146.3615, 137.7083

 39.1555, 49.4079,
43.5177


154.2325,
182.2955, 173.3356

 27.0620, 34.9432,
29.9572


190.7273,
223.6766, 214.6320

 17.7566, 23.6191,
19.5543

232.5677,
270.8891, 262.0158

 10.8740, 15.0513,
11.8906

280.1191,
324.3174, 315.9058

 6.0488, 8.8554,
6.5476

333.7468,

 2.9157, 4.6470,

384.3460, 376.7203

3.1067

393.8162,
451.3592, 444.8779

■ 1.1094, 2.0417,
1.1494

■ 0.0329, 0.6315,
0.0000

■ 73.1683, 89.2970,
81.7863

■ 73.1683, 89.2970,
81.7863

■ 64.7547, 85.1993,
70.5647

■ 82.9359, 94.0681,
94.1827

■ 57.6308, 81.7427,
60.4791

■ 94.1130, 99.5407,
107.7826

■ 51.7304, 78.8936,
51.4948

■ 95.0500, 100.0000,
108.9000

■ 46.9801, 76.6152,
43.5738

■ 43.2985, 74.8661,
36.6757

■ 40.5927, 73.5994,
30.7574

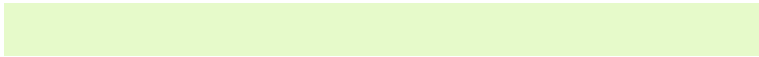
■ 38.7523, 72.7591,
25.7725

■ 37.6664, 72.2826,
21.9592

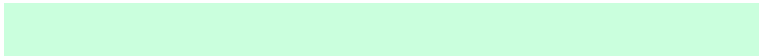
Harmonies

Analogous

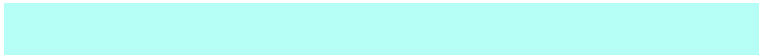
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3200, 89.2970, 68.8098



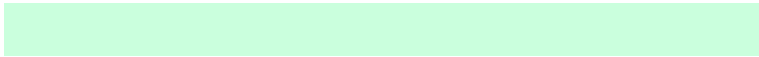
73.1683, 89.2970, 81.7863



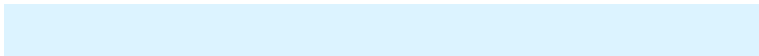
72.0809, 89.2970, 100.7161

Triad

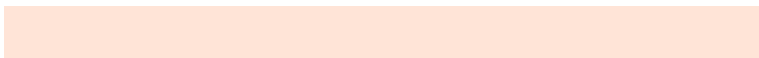
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1683, 89.2970, 81.7863



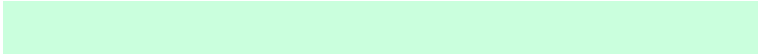
86.0830, 89.2970, 141.2284



96.4500, 89.2970, 76.5822

Complementary

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



73.1683, 89.2970, 81.7863



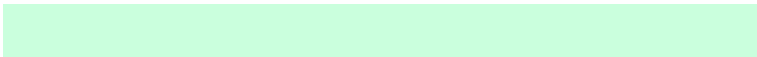
77.5013, 69.5581, 88.6982

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.



99.0980, 89.2970, 93.8238



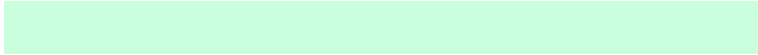
73.1683, 89.2970, 81.7863



92.9049, 89.2970, 132.5607

Square

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



73.1683, 89.2970, 81.7863



79.2951, 89.2970, 136.8429



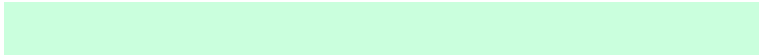
97.7662, 89.2970, 114.5032



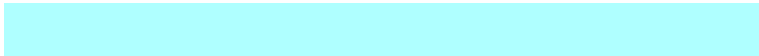
90.7089, 89.2970, 66.1093

Rectangle

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



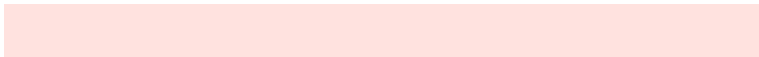
73.1683, 89.2970, 81.7863



73.1855, 89.2970, 114.6330



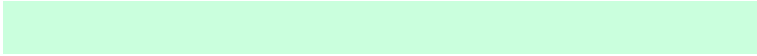
97.7662, 89.2970, 114.5032



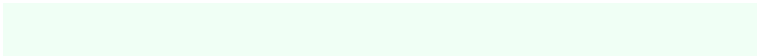
97.7454, 89.2970, 81.6827

Sweetspot

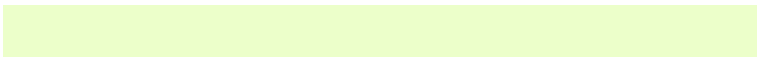
The Sweet Spot groups the original color and five complimentary colors.



73.1691, 89.2974, 81.7877



88.1031, 96.5967, 100.5359



81.1628, 93.6945, 69.6855



18.7026, 20.5997, 21.3296



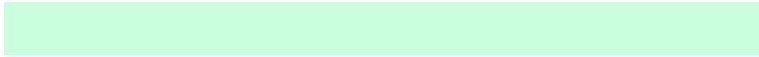
0.0000, 0.0000, 0.0000



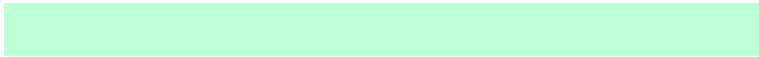
20.3446, 21.4041, 23.3091

Same Dimension

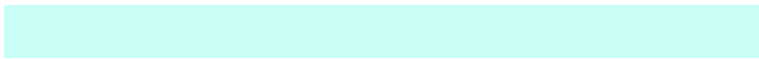
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1691, 89.2974, 81.7877



69.4598, 87.4892, 76.9146



76.9139, 90.7953, 101.5078



18.0406, 20.2758, 20.5168



19.7461, 37.7950, 11.8140



1.9725, 3.6999, 1.4132

Inverse Universe

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



77.5013, 69.5581, 88.6982



74.5115, 64.4652, 84.9681



73.9878, 68.1527, 70.1964



18.5000, 18.1833, 21.2503



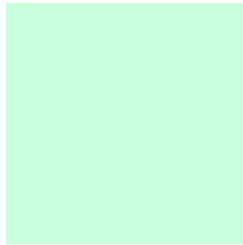
25.1043, 12.5310, 19.7316



2.4965, 1.2410, 2.1962

Previews

White Background



This preview shows how the XYZ color 73.1683, 89.2970, 81.7863 looks on a white background.

Color Contrast Check

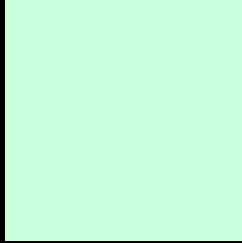
Large Text (above 18pt) WCAG AA × Fail

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 73.1683, 89.2970, 81.7863 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

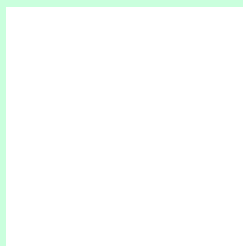
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.1683, 89.2970, 81.7863

Background



This preview shows how black text looks on a background with the XYZ color 73.1683, 89.2970, 81.7863.



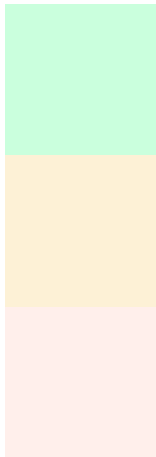
This preview shows how white text looks on a background with the XYZ color 73.1683, 89.2970,

81.7863.

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

73.1683, 89.2970, 81.7863

Protanopia

84.1009, 88.6483, 76.2966

Deuteranopia

87.1019, 88.9912, 91.1835



Tritanopia

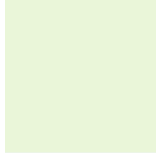
82.6973, 89.0188, 107.4315

Trichromacy



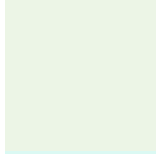
Original Color

73.1683, 89.2970, 81.7863



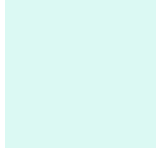
Protanomaly

79.4118, 88.4137, 78.5257



Deuteranomaly

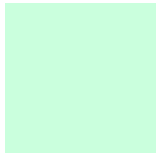
81.5274, 88.8509, 87.7159



Tritanomaly

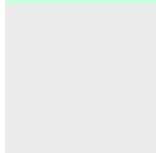
79.2668, 89.2825, 97.8495

Monochromacy



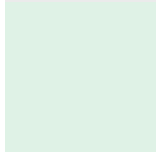
Original Color

73.1683, 89.2970, 81.7863



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.4665, 84.9054, 87.2211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1683, 89.2970, 81.7863 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(202, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 221)  
}
```

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(202, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 221) }
```

Border

The CSS property to change the border of an element to XYZ 73.1683, 89.2970, 81.7863 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(202, 255, 221) }
```


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

```
.border{ border-color:rgb(202, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 255, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 255, 221); box-shadow:4px 4px 4px 4px rgb(202, 255, 221) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1683, 89.2970, 81.7863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 221) }
```

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

```
.background{ background-color: rgb(202,  
255, 221) }
```

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