

# Converting Colors

XYZ(71.1316, 83.0274, 87.8782)

Have a look what the booklet for  
XYZ(71.1316, 83.0274, 87.8782)  
contains.

<b>XYZ(71.1316, 83.0274, 87.8782)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(71.1316, 83.0274,  
87.8782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAF4E7
RGB	202, 244, 231
RGB Percent	79%, 96%, 91%
CMY	0.2078, 0.0431, 0.0941
CMYK	0.17, 0.00, 0.05, 0.04
HSL	161°, 66%, 87%
HSV	161°, 17%, 96%
XYZ	71.1316, 83.0274, 87.8782
YIQ	229.9600, -20.8590, -12.9470

# Conversions

## Conversions Part 2

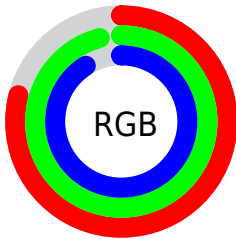
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 227, 244
Decimal	13300967
CIE Lab	93.03, -15.99, 1.77
CIE LCh	93, 16.085, 173.696
Yxy	83.0274, 0.2939, 0.3430
Android (android.graphics.Color)	4291491047 (0xFFCAF4E7)
YUV	229.9600, 0.5127, -24.5209
Hunter-Lab	91.1194, -20.1143, 6.6025

# Details

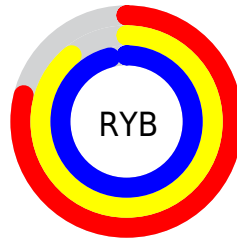
The XYZ color **71.1316, 83.0274, 87.8782** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.6974, 66.3826, 73.3805**, and the grayscale version is **75.1935, 79.1094, 86.1501**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7537, 45.2646, 47.3046** is the 20% darker color. If you saturate the color by 10%, you get **64.0008, 79.4742, 82.0960**, and if you desaturate by 10%, it is **79.3570, 87.1441, 93.9555**.

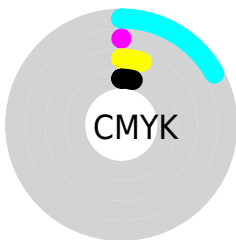
# Distribution



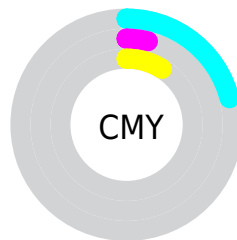
- Red (79%)
- Green (96%)
- Blue (91%)



- Red (79%)
- Yellow (89%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)




- Cyan (21%)
- Magenta (4%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1316, 83.0274, 87.8782 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 71.1316, 83.0274, 87.8782 by changing the saturation by 10% instead.




 71.1316, 83.0274,  
87.8782

 71.1316, 83.0274,  
87.8782


453.7180,  
505.0778, 541.4952

 52.7325, 62.2128,  
65.6584


119.8386,  
137.6138, 146.2972

 37.8159, 45.2046,  
47.5405


150.8772,  
172.1544, 183.3336

 26.0164, 31.6186,  
33.1057


186.8597,  
212.0391, 226.1458

 16.9687, 21.0704,  
21.9357

228.1515,  
257.6523, 275.1526

 10.3073, 13.1755,  
13.6118

275.1178,  
309.3783, 330.7724

 5.6670, 7.5495,  
7.7155

328.1241,

 2.6824, 3.8080,

367.6017, 393.4237

3.8283

387.5357,  
432.7067, 463.5252

■ 0.9881, 1.5668,  
1.5316

■ 0.0000, 0.3350,  
0.2413

■ 71.1316, 83.0274,  
87.8782

■ 71.1316, 83.0274,  
87.8782

■ 64.0008, 79.4742,  
82.0960

■ 79.3570, 87.1441,  
93.9555

■ 57.9080, 76.4487,  
76.5980

■ 88.7163, 91.8376,  
100.3276

■ 52.8023, 73.9267,  
71.3805

■ 91.4277, 93.0986,  
106.6347

■ 48.6252, 71.8784,  
66.4378

■ 91.6422, 93.1844,  
107.7641

■ 45.3120, 70.2705,  
61.7635

■ 42.7895, 69.0651,  
57.3511

■ 40.9717, 68.2181,  
53.1932

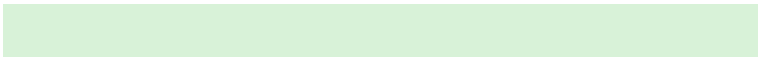
■ 39.7471, 67.6722,  
49.2811

■ 39.4636, 67.5490,  
48.2323

# Harmonies

## Analogous

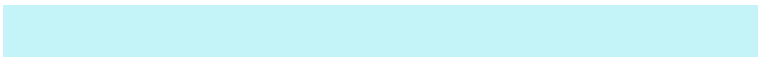
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5632, 83.0274, 77.3466



71.1316, 83.0274, 87.8782



71.7250, 83.0274, 100.0537

# Triad

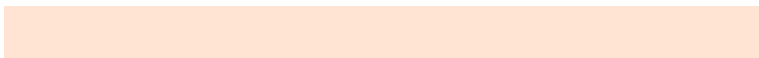
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1316, 83.0274, 87.8782



82.2166, 83.0274, 113.3622



83.8107, 83.0274, 72.9603

# Complementary

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



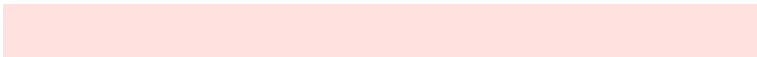
71.1316, 83.0274, 87.8782



70.6974, 66.3826, 73.3805

# 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.



86.5702, 83.0274, 81.3932



71.1316, 83.0274, 87.8782



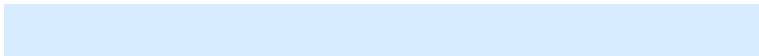
85.6272, 83.0274, 104.8512

# Square

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



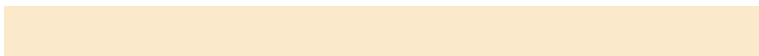
71.1316, 83.0274, 87.8782



78.0286, 83.0274, 115.4874



87.2465, 83.0274, 92.9751



79.8082, 83.0274, 69.2419

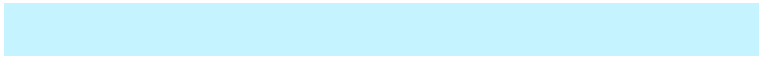


# Rectangle

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



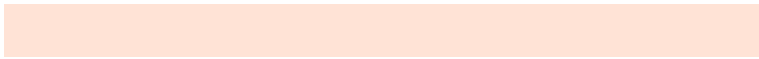
71.1316, 83.0274, 87.8782



73.2000, 83.0274, 107.4015



87.2465, 83.0274, 92.9751



84.9201, 83.0274, 75.2994

# Sweetspot

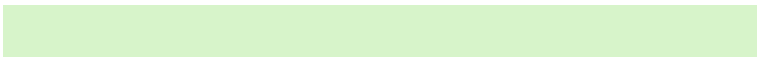
The Sweet Spot groups the original color and five complimentary colors.



71.1339, 83.0309, 87.8801



89.8847, 97.4099, 105.3750



71.1265, 83.4617, 68.2394



19.0891, 20.7746, 22.4500



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

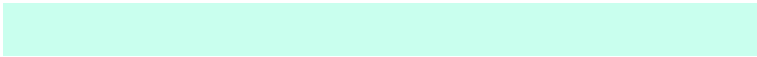


# Same Dimension

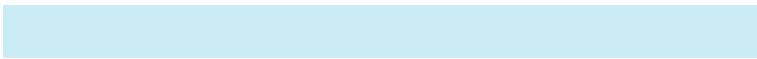
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1339, 83.0309, 87.8801



75.4633, 90.1979, 94.6470



70.7708, 79.2552, 97.1597



16.7655, 18.6653, 20.0496



21.5213, 36.7533, 26.5625



1.9375, 3.2486, 2.5767



# Inverse Universe

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



70.6974, 66.3826, 73.3805



74.8902, 68.3068, 75.5862



70.9441, 69.4449, 65.5435



16.7104, 16.5670, 18.2215



21.0405, 10.7596, 4.9214

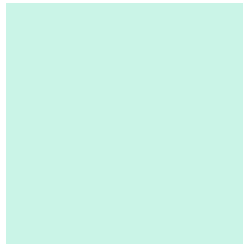


1.8934, 0.9633, 0.6652



# Previews

## White Background



This preview shows how the XYZ color 71.1316, 83.0274, 87.8782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

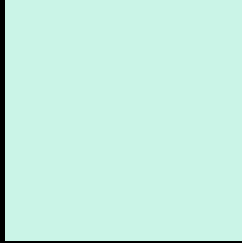
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1316, 83.0274, 87.8782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

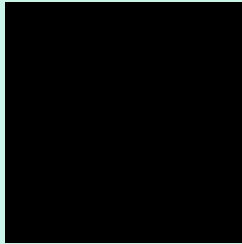
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

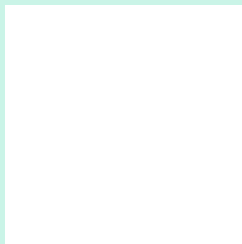
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.1316, 83.0274, 87.8782**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1316, 83.0274, 87.8782.



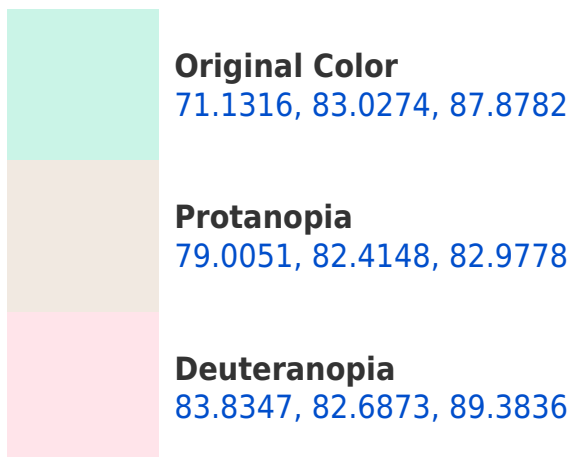
This preview shows how white text looks on a background with the XYZ color 71.1316, 83.0274,



# 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

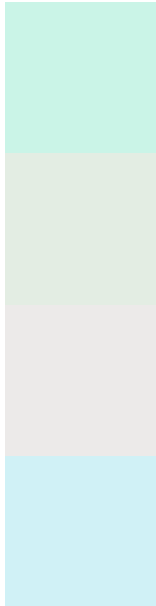




## **Tritanopia**

76.0679, 82.9501, 106.6095

# Trichromacy



## Original Color

71.1316, 83.0274, 87.8782

## Protanomaly

75.8279, 82.4453, 84.5900

## Deuteranomaly

78.7229, 82.5617, 88.8777

## Tritanomaly

74.1023, 82.9743, 99.2988

# Monochromacy



## Original Color

71.1316, 83.0274, 87.8782

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.5065, 80.3455, 86.4969

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1316, 83.0274, 87.8782 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, 244, 231)` looks like.

```
.text, #text, p{  
    color:rgb(202, 244, 231)  
}
```

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, 244, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 244, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1316, 83.0274, 87.8782 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, 244, 231) }
```



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

```
.border{ border-color:rgb(202, 244, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 244, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 244, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 244, 231);  
box-shadow:4px 4px 4px 4px rgb(202, 244,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1316, 83.0274, 87.8782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 244, 231) }
```

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

```
.background{ background-color: rgb(202,  
244, 231) }
```

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