

# Converting Colors

XYZ(71.2443, 82.4412, 81.8896)

Have a look what the booklet for  
XYZ(71.2443, 82.4412, 81.8896)  
contains.

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# Color

**XYZ(71.0838, 82.2419,  
81.9398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0F2DF
RGB	208, 242, 223
RGB Percent	82%, 95%, 87%
CMY	0.1843, 0.0510, 0.1255
CMYK	0.14, 0.00, 0.08, 0.05
HSL	146°, 57%, 88%
HSV	146°, 14%, 95%
XYZ	71.0838, 82.2419, 81.9398
YIQ	229.6680, -14.1650, -13.1170

# Conversions

## Conversions Part 2

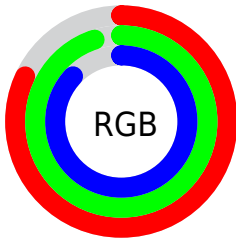
Format	Color
<b>R<sub>YB</sub></b>	208, 232, 242
Decimal	13693663
CIE <sub>Lab</sub>	92.68, -14.60, 5.46
CIE <sub>LCh</sub>	93, 15.592, 159.485
Yxy	82.2419, 0.3021, 0.3496
Android (android.graphics.Color)	4291883743 (0xFFD0F2DF)
YUV	229.6680, -3.2873, -19.0028
Hunter-Lab	90.6873, -18.7885, 9.9101

# Details

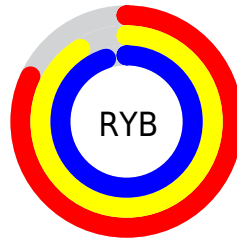
The XYZ color **71.0838, 82.2419, 81.9398** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0418, 69.5370, 82.2490**, and the grayscale version is **75.0013, 78.9072, 85.9300**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7637, 44.7173, 43.6867** is the 20% darker color. If you saturate the color by 10%, you get **63.0410, 78.3003, 72.4226**, and if you desaturate by 10%, it is **80.3150, 86.7839, 92.2765**.

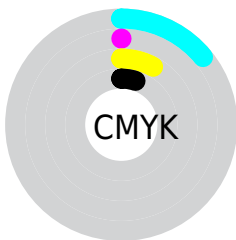
# Distribution



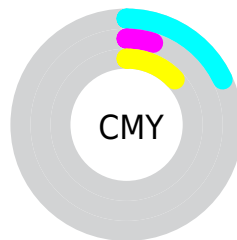
- Red (82%)
- Green (95%)
- Blue (87%)



- Red (82%)
- Yellow (91%)
- Blue (95%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)




- Cyan (18%)
- Magenta (5%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0838, 82.2419, 81.9398 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 71.0838, 82.2419, 81.9398 by changing the saturation by 10% instead.




 71.0838, 82.2419,  
81.9398

 71.0838, 82.2419,  
81.9398

453.5536,  
502.4565, 521.3245

 52.6934, 61.5649,  
60.7804


119.7709,  
136.5132, 137.9255

 37.7845, 44.6813,  
43.6186


150.7983,  
170.8763, 173.5889

 25.9920, 31.2064,  
30.0358


186.7687,  
210.5702, 214.9240

 16.9503, 20.7561,  
19.6134

228.0475,  
255.9794, 262.3494

 10.2941, 12.9458,  
11.9331

275.0000,  
307.4883, 316.2836

 5.6582, 7.3913,  
6.5761

327.9916,

 2.6770, 3.7080,

365.4811, 377.1451

3.1241

387.3877,  
430.3424, 445.3526

■ 0.9854, 1.5116,  
1.1583

■ 0.0000, 0.2969,  
0.0000

■ 71.0838, 82.2419,  
81.9398

■ 71.0838, 82.2419,  
81.9398

■ 63.0410, 78.3003,  
72.4226

■ 80.3150, 86.7839,  
92.2765

■ 56.1295, 74.9233,  
63.6993

■ 90.2571, 91.6728,  
103.4223

■ 50.2976, 72.0867,  
55.7510

■ 91.0437, 91.9874,  
107.5646

■ 45.4867, 69.7608,  
48.5560

■ 41.6323, 67.9129,  
42.0912

■ 38.6622, 66.5062,  
36.3326

■ 36.4932, 65.4981,  
31.2545

■ 35.0242, 64.8373,  
26.8293

■ 34.3948, 64.5639,  
24.4923

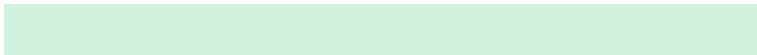
# Harmonies

## Analogous

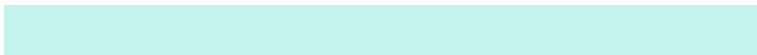
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3096, 82.2419, 73.3794



71.0838, 82.2419, 81.9398



70.7200, 82.2419, 93.2817

# Triad

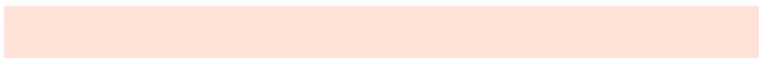
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.0838, 82.2419, 81.9398



79.4617, 82.2419, 113.4543



84.3485, 82.2419, 76.0723

# Complementary

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



71.0838, 82.2419, 81.9398



73.0418, 69.5370, 82.2490

# 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.



86.1224, 82.2419, 85.9142



71.0838, 82.2419, 81.9398



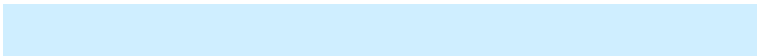
83.2374, 82.2419, 107.9313

# Square

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



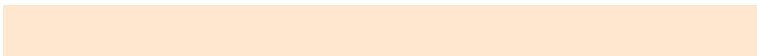
71.0838, 82.2419, 81.9398



75.4649, 82.2419, 112.1572



85.7089, 82.2419, 97.6120

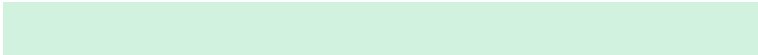


80.9359, 82.2419, 70.2009



# Rectangle

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



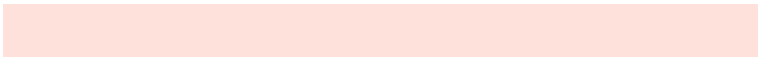
71.0838, 82.2419, 81.9398



71.5691, 82.2419, 101.0064



85.7089, 82.2419, 97.6120



85.1615, 82.2419, 78.9897

# Sweetspot

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



71.0861, 82.2454, 81.9416



90.4921, 97.7548, 103.9668



74.9030, 84.4365, 72.0255



19.1909, 20.8359, 22.0582



0.0000, 0.0000, 0.0000

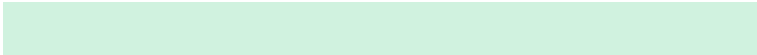


20.3446, 21.4041, 23.3091

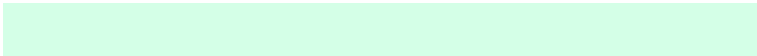


# Same Dimension

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



71.0861, 82.2454, 81.9416



77.2024, 91.2218, 88.9721



73.4559, 83.1933, 94.4209



15.8556, 17.7723, 18.2624



18.5424, 34.7090, 13.5053



1.5918, 2.9072, 1.3827



# Inverse Universe

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



73.0418, 69.5370, 82.2490



79.8185, 74.2211, 89.3823



70.8424, 68.6572, 70.6666



16.1427, 15.9068, 18.3076



22.1000, 11.1124, 13.7090

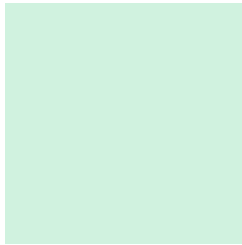


1.8885, 0.9444, 1.4036



# Previews

## White Background



This preview shows how the XYZ color 71.0838, 82.2419, 81.9398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

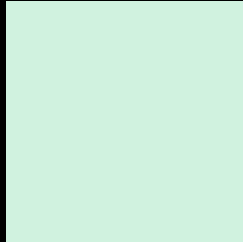
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0838, 82.2419, 81.9398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

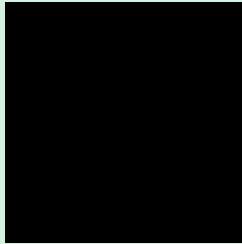
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

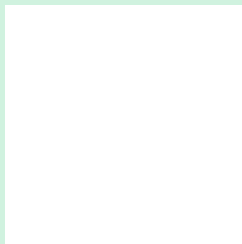
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.0838, 82.2419, 81.9398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0838, 82.2419, 81.9398.



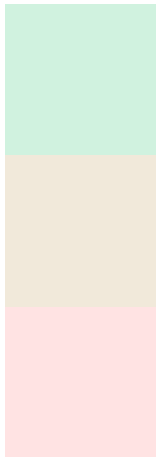
This preview shows how white text looks on a background with the XYZ color 71.0838, 82.2419,

81.9398.

# 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

71.0838, 82.2419, 81.9398

### Protanopia

78.0694, 82.0406, 78.0504

### Deuteranopia

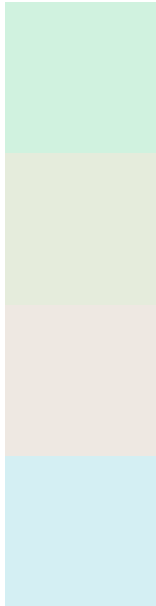
82.5742, 81.7442, 84.0991



## Tritanopia

76.3585, 82.2354, 106.4562

# Trichromacy



**Original Color**

71.0838, 82.2419, 81.9398

**Protanomaly**

75.2268, 81.8162, 79.5374

**Deuteranomaly**

77.8440, 81.3814, 83.5569

**Tritanomaly**

74.1955, 82.2011, 96.7499

# Monochromacy



**Original Color**

71.0838, 82.2419, 81.9398

**Achromatopsia**

75.2129, 79.1298, 86.1723

**Achromatomaly**

73.4121, 79.9213, 84.2302

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0838, 82.2419, 81.9398 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(208, 242, 223)` looks like.

```
.text, #text, p{  
    color:rgb(208, 242, 223)  
}
```

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(208, 242, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 242, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0838, 82.2419, 81.9398 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(208, 242, 223) }
```



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

```
.border{ border-color:rgb(208, 242, 223) }
```

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

Here you see how a box with a 4 pixel rgb(208, 242, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(208, 242,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0838, 82.2419, 81.9398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 242, 223) }
```

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

```
.background{ background-color: rgb(208,  
242, 223) }
```

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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