

Converting Colors

XYZ(70.9754, 82.3285, 80.5091)

Have a look what the booklet for
XYZ(70.9754, 82.3285, 80.5091)
contains.

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Color

**XYZ(70.8157, 82.1346,
80.5278)**

Conversions

Conversions Part 1

Format	Color
Hex	D0F2DD
RGB	208, 242, 221
RGB Percent	82%, 95%, 87%
CMY	0.1843, 0.0510, 0.1333
CMYK	0.14, 0.00, 0.09, 0.05
HSL	143°, 57%, 88%
HSV	143°, 14%, 95%
XYZ	70.8157, 82.1346, 80.5278
YIQ	229.4400, -13.5230, -13.7390

Conversions

Conversions Part 2

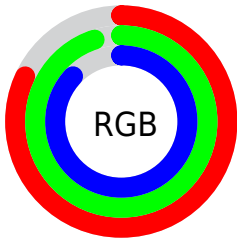
Format	Color
RYB	208, 233, 242
Decimal	13693661
CIELab	92.63, -14.97, 6.43
CIELCh	93, 16.294, 156.744
Yxy	82.1346, 0.3033, 0.3518
Android (android.graphics.Color)	4291883741 (0xFFD0F2DD)
YUV	229.4400, -4.1609, -18.8029
Hunter-Lab	90.6281, -19.1216, 10.7575

Details

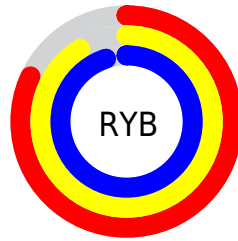
The XYZ color **70.8157, 82.1346, 80.5278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.3196, 69.6482, 83.7116**, and the grayscale version is **74.8390, 78.7364, 85.7440**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5787, 44.6433, 42.7128** is the 20% darker color. If you saturate the color by 10%, you get **62.6203, 78.1320, 70.2072**, and if you desaturate by 10%, it is **80.2312, 86.7503, 91.8347**.

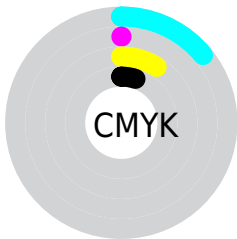
Distribution



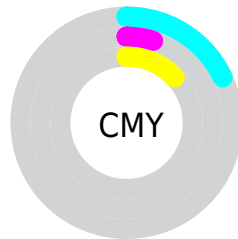
- Red (82%)
- Green (95%)
- Blue (87%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8157, 82.1346, 80.5278 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 70.8157, 82.1346, 80.5278 by changing the saturation by 10% instead.

70.8157, 82.1346,
80.5278

70.8157, 82.1346,
80.5278

452.6308,
502.0978, 516.4634

52.4738, 61.4765,
59.6241

119.3912,
136.3627, 135.9256

37.6087, 44.6098,
42.6924

150.3555,
170.7016, 171.2568

25.8549, 31.1502,
29.3142

186.2580,
210.3694, 212.2342

16.8473, 20.7133,
19.0710

227.4641,
255.7507, 259.2763

10.2203, 12.9146,
11.5443

274.3390,
307.2297, 312.8018

5.6086, 7.3697,
6.3154

327.2482,

2.6470, 3.6944,

365.1910, 373.2291

2.9659

386.5570,
430.0189, 440.9768

■ 0.9700, 1.5041,
1.0773

■ 0.0000, 0.2916,
0.0000

■ 70.8157, 82.1346,
80.5278

■ 70.8157, 82.1346,
80.5278

■ 62.6203, 78.1320,
70.2072

■ 80.2312, 86.7503,
91.8347

■ 55.5867, 74.7061,
60.8410

■ 90.3902, 91.7260,
104.1236

■ 49.6619, 71.8323,
52.4034

■ 91.0437, 91.9874,
107.5646

■ 44.7858, 69.4804,
44.8654

■ 40.8927, 67.6170,
38.1966

■ 37.9087, 66.2047,
32.3647

■ 35.7489, 65.2003,
27.3350

■ 34.3104, 64.5517,
23.0704

■ 33.7084, 64.2892,
20.8779

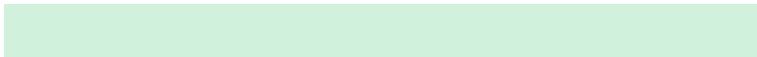
Harmonies

Analogous

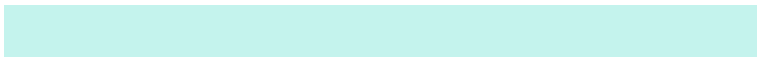
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2917, 82.1346, 72.0011



70.8157, 82.1346, 80.5278



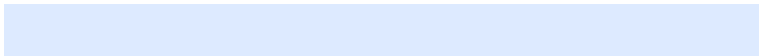
70.2495, 82.1346, 92.1996

Triad

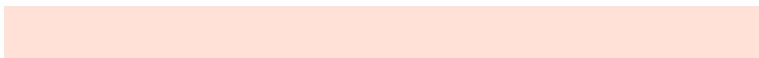
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8157, 82.1346, 80.5278



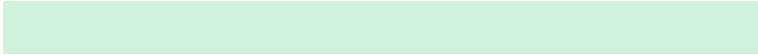
79.0274, 82.1346, 114.6697



84.7808, 82.1346, 76.1816

Complementary

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



70.8157, 82.1346, 80.5278



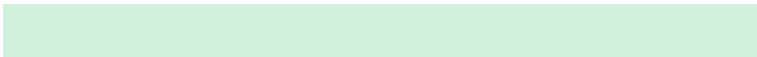
73.3196, 69.6482, 83.7116

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.



86.4428, 82.1346, 86.7176



70.8157, 82.1346, 80.5278



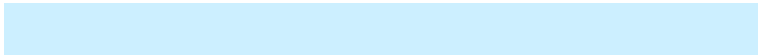
83.0442, 82.1346, 109.4678

Square

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



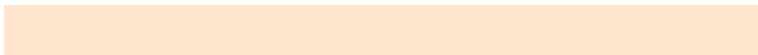
70.8157, 82.1346, 80.5278



74.8926, 82.1346, 112.6342



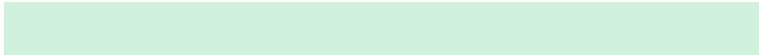
85.7960, 82.1346, 98.9665



81.3288, 82.1346, 69.6550

Rectangle

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



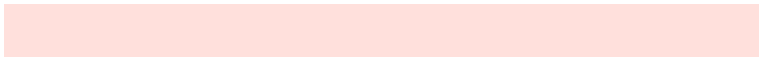
70.8157, 82.1346, 80.5278



71.0123, 82.1346, 100.3504



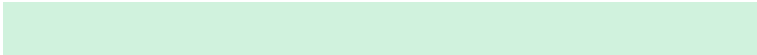
85.7960, 82.1346, 98.9665



85.5730, 82.1346, 79.3332

Sweetspot

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



70.8180, 82.1381, 80.5296



90.3985, 97.7173, 103.4739



75.6239, 84.8081, 72.0594



19.1673, 20.8264, 21.9336



0.0000, 0.0000, 0.0000



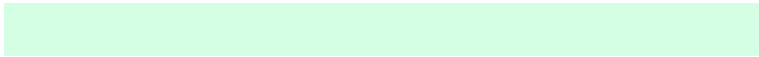
20.3446, 21.4041, 23.3091

Same Dimension

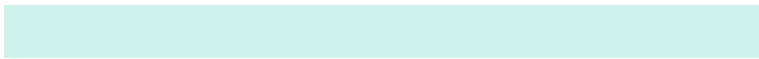
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8180, 82.1381, 80.5296



76.8452, 91.0789, 87.0913



73.1216, 83.0595, 92.6605



15.8160, 17.7564, 18.0538



18.1691, 34.5597, 11.5395



1.5586, 2.8939, 1.2079

Inverse Universe

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



73.3196, 69.6482, 83.7116



80.1915, 74.3703, 91.3463



71.1274, 68.7713, 72.1675



16.1832, 15.9230, 18.5211



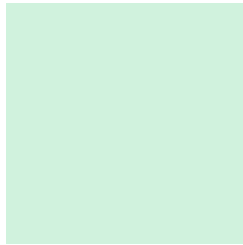
22.6751, 11.3425, 16.7373



1.9347, 0.9629, 1.6470

Previews

White Background



This preview shows how the XYZ color 70.8157, 82.1346, 80.5278 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 70.8157, 82.1346, 80.5278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

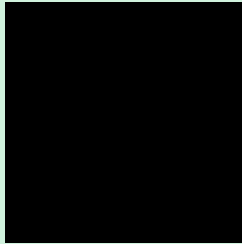
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

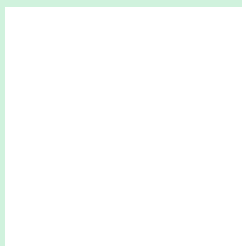
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8157, 82.1346, 80.5278

Background



This preview shows how black text looks on a background with the XYZ color 70.8157, 82.1346, 80.5278.



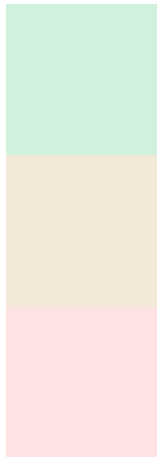
This preview shows how white text looks on a background with the XYZ color 70.8157, 82.1346,

80.5278.

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

70.8157, 82.1346, 80.5278

Protanopia

78.1515, 82.1129, 76.6961

Deuteranopia

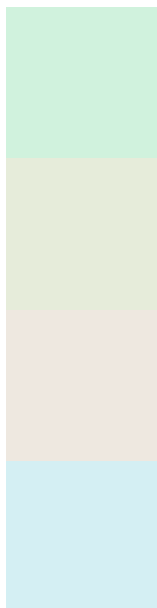
82.4366, 81.6892, 83.3742



Tritanopia

76.3585, 82.2354, 106.4562

Trichromacy



Original Color

70.8157, 82.1346, 80.5278

Protanomaly

75.2835, 81.8759, 78.1654

Deuteranomaly

77.5711, 81.2722, 82.1197

Tritanomaly

74.1955, 82.2011, 96.7499

Monochromacy



Original Color

70.8157, 82.1346, 80.5278

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.9691, 79.7088, 83.4910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8157, 82.1346, 80.5278 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(208, 242, 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(208, 242, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 242, 221) }
```

Border

The CSS property to change the border of an element to XYZ 70.8157, 82.1346, 80.5278 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, 221) }
```


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

```
.border{ border-color:rgb(208, 242, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 242, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 242, 221);  
box-shadow:4px 4px 4px 4px rgb(208, 242,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8157, 82.1346, 80.5278 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, 221) }
```

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

```
.background{ background-color: rgb(208,  
242, 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](#).

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