

Converting Colors

XYZ(70.5417, 81.8020, 89.9900)

Have a look what the booklet for
XYZ(70.5417, 81.8020, 89.9900)
contains.

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Color

**XYZ(70.4228, 81.7241,
89.9046)**

Conversions

Conversions Part 1

Format	Color
Hex	C8F2EA
RGB	200, 242, 234
RGB Percent	78%, 95%, 92%
CMY	0.2157, 0.0510, 0.0823
CMYK	0.17, 0.00, 0.03, 0.05
HSL	169°, 62%, 87%
HSV	169°, 17%, 95%
XYZ	70.4228, 81.7241, 89.9046
YIQ	228.5300, -22.4640, -11.3920

Conversions

Conversions Part 2

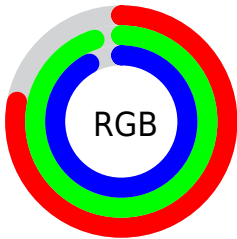
Format	Color
R _Y B	200, 223, 242
Decimal	13169386
CIE Lab	92.45, -15.03, -0.64
CIE LCh	92, 15.043, 182.449
Yxy	81.7241, 0.2909, 0.3376
Android (android.graphics.Color)	4291359466 (0xFFC8F2EA)
YUV	228.5300, 2.6967, -25.0208
Hunter-Lab	90.4014, -19.1507, 4.3168

Details

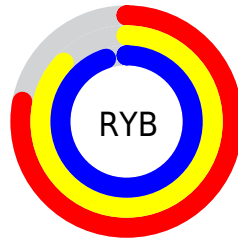
The XYZ color **70.4228, 81.7241, 89.9046** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.6602, 64.7420, 68.5556**, and the grayscale version is **74.1255, 77.9858, 84.9265**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2718, 44.3519, 48.7158** is the 20% darker color. If you saturate the color by 10%, you get **63.8108, 78.3932, 86.1833**, and if you desaturate by 10%, it is **78.0798, 85.5961, 93.7683**.

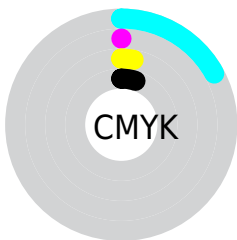
Distribution



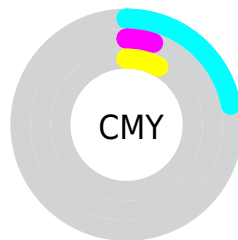
- Red (78%)
- Green (95%)
- Blue (92%)



- Red (78%)
- Yellow (87%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)



- Cyan (22%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4228, 81.7241, 89.9046 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 70.4228, 81.7241, 89.9046 by changing the saturation by 10% instead.

70.4228, 81.7241,
89.9046

70.4228, 81.7241,
89.9046

451.2764,
500.7244, 548.2826

52.1521, 61.1381,
67.3283

118.8345,
135.7870, 149.1402

37.3511, 44.3367,
48.8882

149.7062,
170.0328, 186.6366

25.6544, 30.9353,
34.1658

185.5090,
209.6006, 229.9434

16.6966, 20.5496,
22.7426

226.6082,
254.8749, 279.4791

10.1124, 12.7951,
14.2001

273.3692,
306.2400, 335.6624

5.5364, 7.2876,
8.1196

326.1574,

2.6032, 3.6426,

364.0803, 398.9117

4.0827

385.3380,
428.7803, 469.6456

■ 0.9476, 1.4757,
1.6708

■ 0.0000, 0.2716,
0.3406

■ 70.4228, 81.7241,
89.9046

■ 70.4228, 81.7241,
89.9046

■ 63.8108, 78.3932,
86.1833

■ 78.0798, 85.5961,
93.7683

■ 58.1885, 75.5684,
82.5959

■ 86.8196, 90.0221,
97.7717

■ 53.5064, 73.2263,
79.1411

■ 89.9113, 91.5343,
101.6020

■ 49.7076, 71.3376,
75.8157

■ 90.6351, 91.8238,
105.4135

■ 46.7291, 69.8699,
72.6159

■ 91.0436, 91.9872,
107.5645

■ 44.4995, 68.7863,
69.5378

■ 42.9347, 68.0435,
66.5766

■ 41.9247, 67.5849,
63.7265

■ 41.7053, 67.4879,
62.9894

Harmonies

Analogous

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



71.2159, 81.7241, 79.4156



70.4228, 81.7241, 89.9046



71.5187, 81.7241, 101.0110

Triad

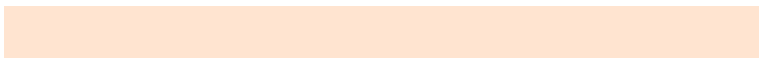
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4228, 81.7241, 89.9046



81.7696, 81.7241, 108.3642



81.1965, 81.7241, 71.2692

Complementary

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



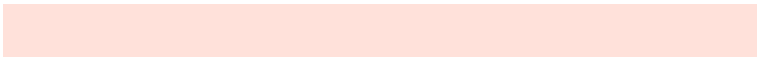
70.4228, 81.7241, 89.9046



68.6602, 64.7420, 68.5556

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.



84.1775, 81.7241, 77.9511



70.4228, 81.7241, 89.9046



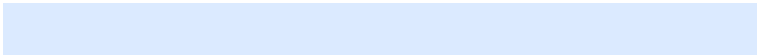
84.5161, 81.7241, 99.2910

Square

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



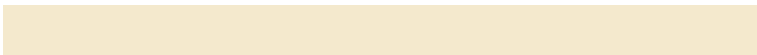
70.4228, 81.7241, 89.9046



77.9972, 81.7241, 112.2103



85.4115, 81.7241, 88.0690



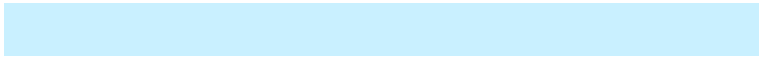
77.3563, 81.7241, 69.2060

Rectangle

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



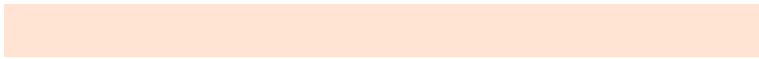
70.4228, 81.7241, 89.9046



73.1952, 81.7241, 107.1188



85.4115, 81.7241, 88.0690



82.3367, 81.7241, 73.0204

Sweetspot

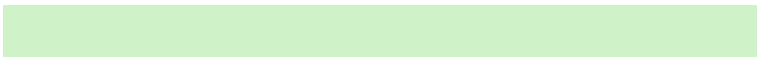
The Sweet Spot groups the original color and five complimentary colors.



70.4251, 81.7275, 89.9064



90.1251, 97.5060, 106.6407



68.3050, 81.1458, 66.7075



19.1477, 20.7980, 22.7582



0.0000, 0.0000, 0.0000



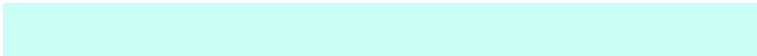
20.3446, 21.4041, 23.3091

Same Dimension

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



70.4251, 81.7275, 89.9064



76.4189, 90.5801, 99.6795



67.9790, 74.9533, 94.8929



16.1107, 17.8743, 19.6057



22.4518, 36.2727, 34.0917



1.9006, 3.0307, 3.0091

Inverse Universe

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



68.6602, 64.7420, 68.5556



74.0717, 67.9794, 71.2757



70.7397, 70.4374, 64.5123



15.8958, 15.8081, 17.0078



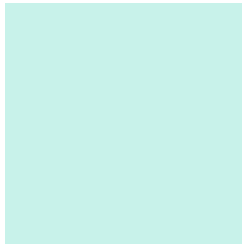
19.9746, 10.2623, 2.5168



1.6951, 0.8671, 0.3853

Previews

White Background



This preview shows how the XYZ color 70.4228, 81.7241, 89.9046 looks on a white background.

Color Contrast Check

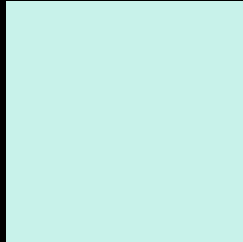
Large Text (above 18pt) WCAG AA × Fail

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 70.4228, 81.7241, 89.9046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

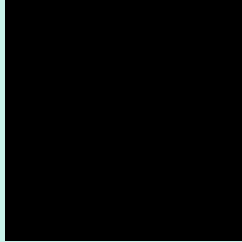
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

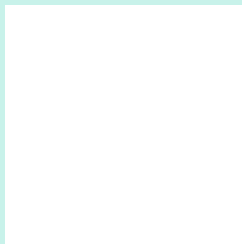
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4228, 81.7241, 89.9046

Background



This preview shows how black text looks on a background with the XYZ color 70.4228, 81.7241, 89.9046.

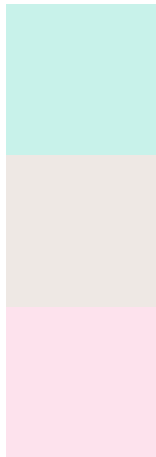


This preview shows how white text looks on a background with the XYZ color 70.4228, 81.7241,

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

70.4228, 81.7241, 89.9046

Protanopia

78.1201, 81.4918, 85.0109

Deuteranopia

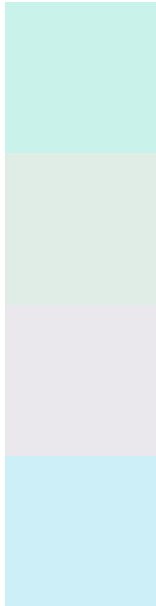
82.9904, 81.3898, 91.4565



Tritanopia

74.6370, 81.7790, 106.4589

Trichromacy



Original Color

70.4228, 81.7241, 89.9046

Protanomaly

75.0189, 81.5514, 86.6500

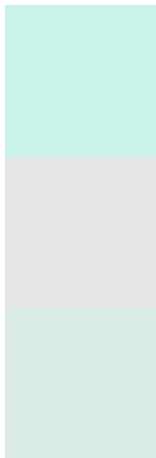
Deuteranomaly

77.9286, 81.2618, 90.9347

Tritanomaly

72.8318, 81.4275, 99.8741

Monochromacy



Original Color

70.4228, 81.7241, 89.9046

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

72.7601, 79.5206, 87.1154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4228, 81.7241, 89.9046 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(200, 242, 234)` looks like.

```
.text, #text, p{  
    color:rgb(200, 242, 234)  
}
```

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(200, 242, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 242, 234) }
```

Border

The CSS property to change the border of an element to XYZ 70.4228, 81.7241, 89.9046 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(200, 242, 234) }
```


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

```
.border{ border-color:rgb(200, 242, 234) }
```

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

Here you see how a box with a 4 pixel rgb(200, 242, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 242, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 242, 234);  
box-shadow:4px 4px 4px 4px rgb(200, 242,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4228, 81.7241, 89.9046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 242, 234) }
```

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

```
.background{ background-color: rgb(200,  
242, 234) }
```

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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