

Converting Colors

XYZ(70.0790, 87.6183, 70.9488)

Have a look what the booklet for XYZ(70.0790, 87.6183, 70.9488) contains.

- XYZ(70.0144, 87.4335, 70.9438) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(70.0144, 87.4335,
70.9438)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FECD
RGB	199, 254, 205
RGB Percent	78%, 100%, 80%
CMY	0.2196, 0.0039, 0.1961
CMYK	0.22, 0.00, 0.19, 0.00
HSL	127°, 97%, 89%
HSV	127°, 22%, 100%
XYZ	70.0144, 87.4335, 70.9438
YIQ	231.9690, -17.0510, -26.8990

Conversions

Conversions Part 2

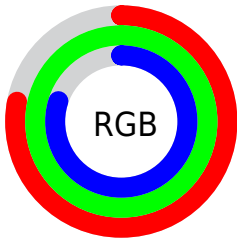
Format	Color
RYB	199, 249, 254
Decimal	13106893
CIELab	94.92, -26.55, 17.86
CIElCh	95, 31.995, 146.071
Yxy	87.4335, 0.3066, 0.3828
Android (android.graphics.Color)	4291296973 (0xFFC7FECD)
YUV	231.9690, -13.2957, -28.9138
Hunter-Lab	93.5059, -29.9798, 20.4702

Details

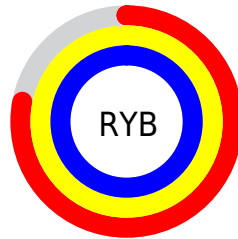
The XYZ color **70.0144, 87.4335, 70.9438** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.2427, 68.6969, 97.9466**, and the grayscale version is **76.7860, 80.7848, 87.9747**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0538, 48.0962, 36.6087** is the 20% darker color. If you saturate the color by 10%, you get **61.2923, 83.2327, 57.2933**, and if you desaturate by 10%, it is **80.2612, 92.3796, 86.7317**.

Distribution



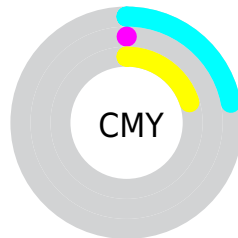
- Red (78%)
- Green (100%)
- Blue (80%)



- Red (78%)
- Yellow (98%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0144, 87.4335, 70.9438 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 70.0144, 87.4335, 70.9438 by changing the saturation by 10% instead.

70.0144, 87.4335,
70.9438

70.0144, 87.4335,
70.9438

449.8662,
519.6463, 482.7353

51.8179, 65.8540,
51.8148

118.2554,
143.7682, 122.2474

37.0836, 48.1539,
36.4762

149.0307,
179.2922, 155.2591

25.4462, 33.9488,
24.5096

184.7296,
220.2332, 193.7354

16.5403, 22.8543,
15.4964

225.7175,
266.9755, 238.0949

10.0006, 14.4859,
9.0180

272.3598,
319.9036, 288.7561

5.4616, 8.4594,
4.6560

325.0217,

2.5581, 4.3903,

379.4018, 346.1375

1.9917

384.0688,
445.8546, 410.6577

■ 0.9246, 1.8942,
0.5502

■ 0.0000, 0.5449,
0.0000

■ 70.0144, 87.4335,
70.9438

■ 70.0144, 87.4335,
70.9438

■ 61.2923, 83.2327,
57.2933

■ 80.2612, 92.3796,
86.7317

■ 54.0152, 79.7307,
45.6828

■ 92.0933, 98.0930,
104.7371

■ 48.1068, 76.8926,
36.0160

■ 94.7335, 99.3670,
108.7945

■ 43.4808, 74.6764,
28.1869

■ 40.0413, 73.0349,
22.0788

■ 37.6786, 71.9143,
17.5620

■ 36.2620, 71.2506,
14.4884

■ 35.6497, 70.9695,
12.9001

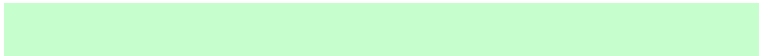
Harmonies

Analogous

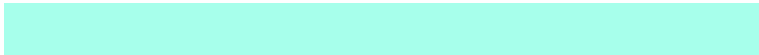
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9842, 87.4335, 58.4080



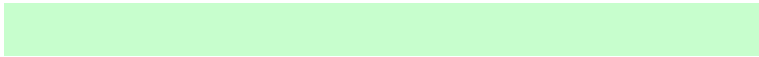
70.0144, 87.4335, 70.9438



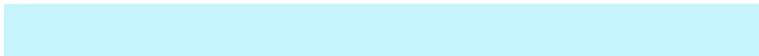
67.5450, 87.4335, 91.9639

Triad

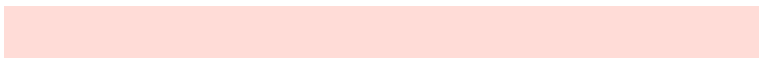
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0144, 87.4335, 70.9438



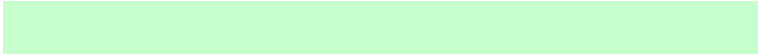
81.9651, 87.4335, 151.2672



99.0078, 87.4335, 75.7073

Complementary

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



70.0144, 87.4335, 70.9438



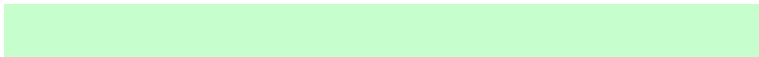
78.2427, 68.6969, 97.9466

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.



100.8833, 87.4335, 98.5116



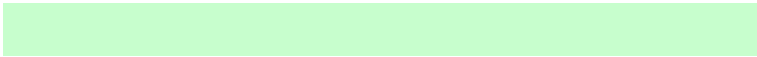
70.0144, 87.4335, 70.9438



90.6529, 87.4335, 144.8918

Square

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



70.0144, 87.4335, 70.9438



74.1343, 87.4335, 140.6032



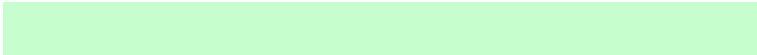
97.7287, 87.4335, 124.4374



92.7672, 87.4335, 60.8037

Rectangle

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



70.0144, 87.4335, 70.9438



68.0801, 87.4335, 109.0495



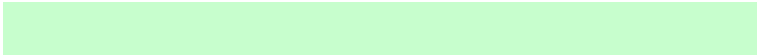
97.7287, 87.4335, 124.4374



100.1875, 87.4335, 82.5761

Sweetspot

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



70.0167, 87.4372, 70.9457



87.5258, 96.3658, 97.4959



84.6432, 95.0595, 67.9208



18.5665, 20.5453, 20.6131



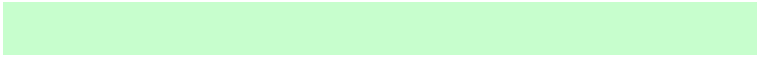
0.0000, 0.0000, 0.0000



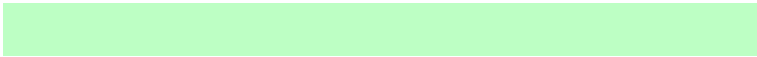
20.3446, 21.4041, 23.3091

Same Dimension

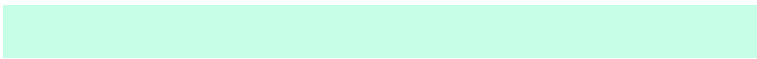
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0167, 87.4372, 70.9457



66.6281, 86.2830, 65.3273



73.5631, 88.8557, 89.6204



17.8521, 20.2004, 19.5242



18.8195, 37.4244, 6.9347



1.8574, 3.6539, 0.8071

Inverse Universe

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



78.2427, 68.6969, 97.9466



76.2802, 64.2891, 97.0060



74.3503, 67.1399, 77.4493



18.7023, 18.2642, 22.3152



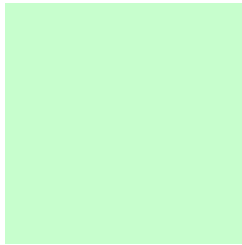
28.8410, 14.0257, 39.4086



2.8315, 1.3750, 3.9603

Previews

White Background



This preview shows how the XYZ color 70.0144, 87.4335, 70.9438 looks on a white background.

Color Contrast Check

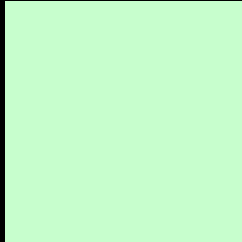
Large Text (above 18pt) WCAG AA × Fail

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 70.0144, 87.4335, 70.9438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

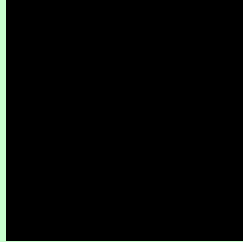
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

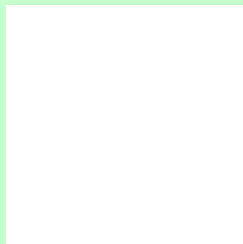
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0144, 87.4335, 70.9438

Background



This preview shows how black text looks on a background with the XYZ color 70.0144, 87.4335, 70.9438.



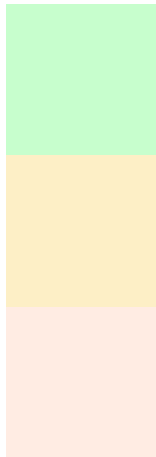
This preview shows how white text looks on a background with the XYZ color 70.0144, 87.4335,

70.9438.

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

70.0144, 87.4335, 70.9438

Protanopia

81.5676, 86.6929, 65.8604

Deuteranopia

85.1006, 86.7970, 84.9413



Tritanopia

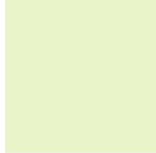
80.5320, 87.0092, 107.1577

Trichromacy



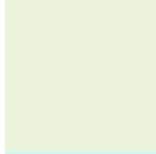
Original Color

70.0144, 87.4335, 70.9438



Protanomaly

76.4976, 86.2421, 67.8729



Deuteranomaly

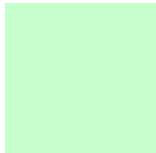
79.0977, 86.8778, 79.6180



Tritanomaly

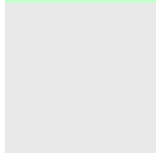
76.2784, 86.9321, 92.8800

Monochromacy



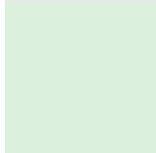
Original Color

70.0144, 87.4335, 70.9438



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.8601, 82.8097, 81.1983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0144, 87.4335, 70.9438 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(199, 254, 205)` looks like.

```
.text, #text, p{  
    color:rgb(199, 254, 205)  
}
```

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(199, 254, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 254, 205) }
```

Border

The CSS property to change the border of an element to XYZ 70.0144, 87.4335, 70.9438 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(199, 254, 205) }
```


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

```
.border{ border-color:rgb(199, 254, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 254, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 254, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 254, 205);  
box-shadow:4px 4px 4px 4px rgb(199, 254,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0144, 87.4335, 70.9438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 254, 205) }
```

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

```
.background{ background-color: rgb(199,  
254, 205) }
```

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