

Converting Colors

XYZ(70.8309, 88.4930, 63.5637)

Have a look what the booklet for
XYZ(70.8309, 88.4930, 63.5637)
contains.

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Color

**XYZ(70.8392, 88.4921,
63.7991)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | CEFFC1 |
| RGB | 206, 255, 193 |
| RGB Percent | 81%, 100%, 76% |
| CMY | 0.1922, 0.0000, 0.2431 |
| CMYK | 0.19, 0.00, 0.24, 0.00 |
| HSL | 107°, 100%, 88% |
| HSV | 107°, 24%, 100% |
| XYZ | 70.8392, 88.4921, 63.7991 |
| YIQ | 233.2810, -9.3020, -29.6700 |

Conversions

Conversions Part 2

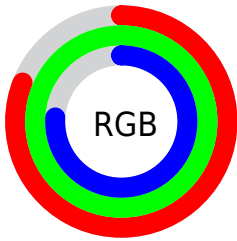
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 193, 255, 242 |
| Decimal | 13565889 |
| CIELab | 95.37, -26.70, 24.65 |
| CIELCh | 95, 36.344, 137.284 |
| Yxy | 88.4921, 0.3175, 0.3966 |
| Android (android.graphics.Color) | 4291755969 (0xFFCEFFC1) |
| YUV | 233.2810, -19.8585, -23.9254 |
| Hunter-Lab | 94.0702, -30.2042, 25.6383 |

Details

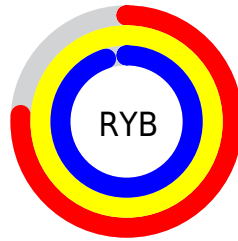
The XYZ color **70.8392, 88.4921, 63.7991** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.7389, 64.2384, 103.1205**, and the grayscale version is **77.8132, 81.8656, 89.1516**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **37.6168, 48.8316, 31.8689** is the 20% darker color. If you saturate the color by 10%, you get **62.9942, 84.7486, 49.8411**, and if you desaturate by 10%, it is **79.8932, 92.8020, 80.3765**.

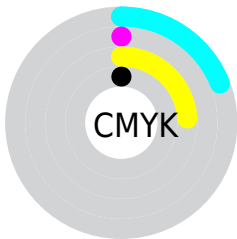
Distribution



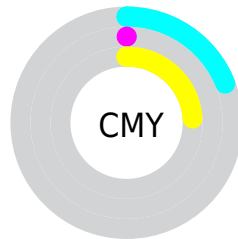
- Red (81%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (95%)



- Cyan (19%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8392, 88.4921, 63.7991 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 70.8392, 88.4921, 63.7991 by changing the saturation by 10% instead.


 70.8392, 88.4921,
63.7991

 70.8392, 88.4921,
63.7991


452.7117,
523.1134, 456.6513

 52.4930, 66.7307,
46.0428

 119.4245,
145.2421, 111.9182

 37.6241, 48.8658,
31.9307


150.3943,
180.9994, 143.1182

 25.8669, 34.5130,
21.0442


186.3028,
222.1909, 179.6365

 16.8563, 23.2880,
12.9648

227.5152,
269.2008, 221.8916

 10.2267, 14.8063,
7.2738

274.3970,
322.4136, 270.3021

 5.6130, 8.6836,
3.5529

327.3134,

 2.6496, 4.5354,

382.2138, 325.2865

1.3834

386.6299,
448.9855, 387.2634

■ 0.9713, 1.9773,
0.1287

■ 0.0000, 0.5942,
0.0000

■ 70.8392, 88.4921,
63.7991

■ 70.8392, 88.4921,
63.7991

■ 62.9942, 84.7486,
49.8411

■ 79.8932, 92.8020,
80.3765

■ 56.3044, 81.5470,
38.3646

■ 90.2037, 97.7004,
99.6935

■ 50.7141, 78.8616,
29.2255

95.0500, 100.0000,
108.9000

■ 46.1624, 76.6645,
22.2627

■ 42.5818, 74.9249,
17.2953

■ 39.8966, 73.6082,
14.1127

■ 38.0178, 72.6744,
12.4574

■ 37.2527, 72.2895,
11.9899

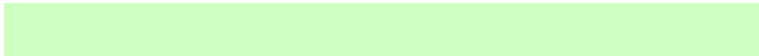
Harmonies

Analogous

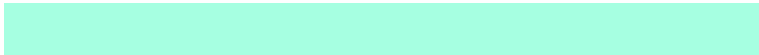
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5599, 88.4921, 52.9837



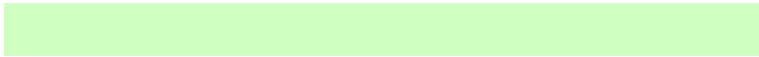
70.8392, 88.4921, 63.7991



66.8160, 88.4921, 84.8041

Triad

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



70.8392, 88.4921, 63.7991



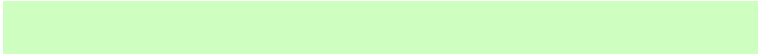
79.9735, 88.4921, 160.1843



103.7011, 88.4921, 80.9945

Complementary

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



70.8392, 88.4921, 63.7991



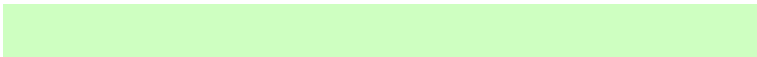
73.7389, 64.2384, 103.1205

Split Complementary

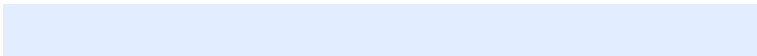
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.1548, 88.4921, 108.9052



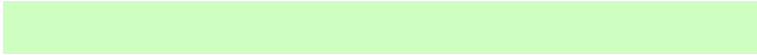
70.8392, 88.4921, 63.7991



89.9136, 88.4921, 158.6058

Square

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



70.8392, 88.4921, 63.7991



71.8037, 88.4921, 142.4009



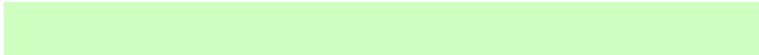
98.9406, 88.4921, 138.4379



97.7457, 88.4921, 61.4854

Rectangle

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



70.8392, 88.4921, 63.7991



66.5467, 88.4921, 103.4572



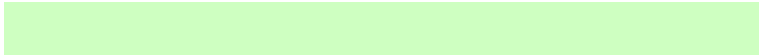
98.9406, 88.4921, 138.4379



104.5178, 88.4921, 89.5814

Sweetspot

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



70.8397, 88.4923, 63.8004



87.3069, 96.3251, 94.2267



82.4893, 88.3572, 63.1604



18.5508, 20.5527, 19.9116



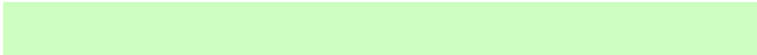
0.0000, 0.0000, 0.0000



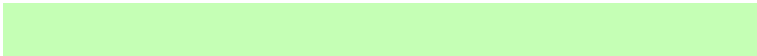
20.3446, 21.4041, 23.3091

Same Dimension

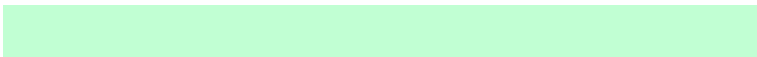
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8397, 88.4923, 63.8004



67.0151, 86.6685, 56.9396



69.4567, 87.5393, 74.5806



18.1274, 20.3516, 19.1172



19.5643, 37.8238, 6.2696



1.9908, 3.7270, 0.6145

Inverse Universe

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



73.7389, 64.2384, 103.1205



70.3482, 58.7252, 102.2351



75.6600, 65.5407, 89.1165



18.3979, 18.0969, 22.7733



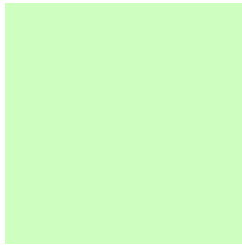
22.2222, 10.3665, 50.2643



2.2527, 1.0552, 4.8982

Previews

White Background



This preview shows how the XYZ color 70.8392, 88.4921, 63.7991 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 70.8392, 88.4921, 63.7991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

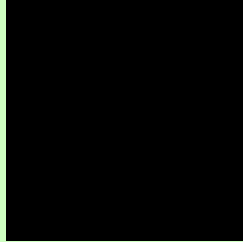
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

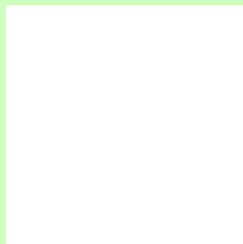
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8392, 88.4921, 63.7991

Background



This preview shows how black text looks on a background with the XYZ color 70.8392, 88.4921, 63.7991.



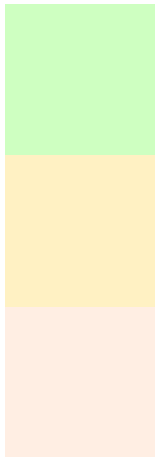
This preview shows how white text looks on a background with the XYZ color 70.8392, 88.4921,

63.7991.

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

70.8392, 88.4921, 63.7991

Protanopia

82.5456, 88.1107, 64.2862

Deuteranopia

85.6797, 87.9551, 85.1343



Tritanopia

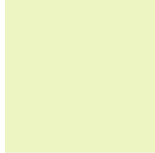
82.3956, 88.4153, 107.3309

Trichromacy



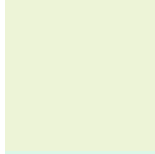
Original Color

70.8392, 88.4921, 63.7991



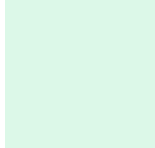
Protanomaly

77.6184, 87.8111, 63.8972



Deuteranomaly

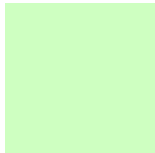
79.5415, 87.6122, 77.0085



Tritanomaly

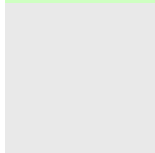
77.6481, 88.1766, 89.2712

Monochromacy



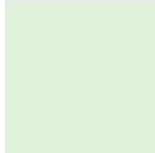
Original Color

70.8392, 88.4921, 63.7991



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.5416, 83.6605, 78.5490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8392, 88.4921, 63.7991 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(206, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 193)  
}
```

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(206, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 70.8392, 88.4921, 63.7991 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(206, 255, 193) }
```


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

```
.border{ border-color:rgb(206, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 255, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 255, 193); box-shadow:4px 4px 4px 4px rgb(206, 255, 193) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8392, 88.4921, 63.7991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 193) }
```

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

```
.background{ background-color: rgb(206,  
255, 193) }
```

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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