

Converting Colors

XYZ(70.8642, 88.2795, 73.9851)

Have a look what the booklet for
XYZ(70.8642, 88.2795, 73.9851)
contains.

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Color

**XYZ(70.9460, 88.3153,
74.2801)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFD2
RGB	199, 255, 210
RGB Percent	78%, 100%, 82%
CMY	0.2196, 0.0000, 0.1765
CMYK	0.22, 0.00, 0.18, 0.00
HSL	132°, 100%, 89%
HSV	132°, 22%, 100%
XYZ	70.9460, 88.3153, 74.2801
YIQ	233.1260, -18.9310, -25.8670

Conversions

Conversions Part 2

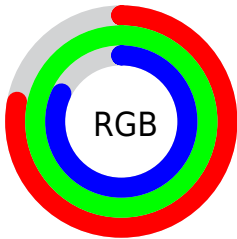
Format	Color
RYB	199, 246, 255
Decimal	13107154
CIELab	95.29, -26.16, 15.82
CIELCh	95, 30.569, 148.828
Yxy	88.3153, 0.3038, 0.3782
Android (android.graphics.Color)	4291297234 (0xFFC7FFD2)
YUV	233.1260, -11.4011, -29.9285
Hunter-Lab	93.9762, -29.7024, 18.9197

Details

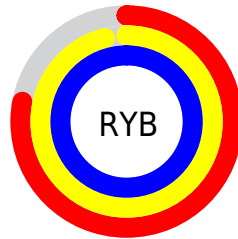
The XYZ color **70.9460, 88.3153, 74.2801** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.9927, 68.6390, 94.7252**, and the grayscale version is **77.6399, 81.6832, 88.9530**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6121, 48.6840, 38.4249** is the 20% darker color. If you saturate the color by 10%, you get **62.3456, 84.1579, 61.3939**, and if you desaturate by 10%, it is **81.0083, 93.1884, 88.9437**.

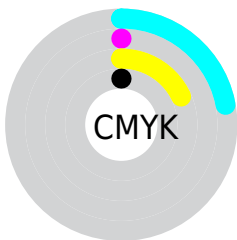
Distribution



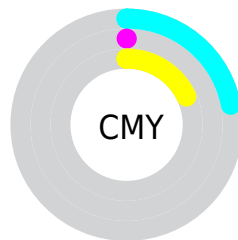
- Red (78%)
- Green (100%)
- Blue (82%)



- Red (78%)
- Yellow (96%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9460, 88.3153, 74.2801 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 70.9460, 88.3153, 74.2801 by changing the saturation by 10% instead.

 70.9460, 88.3153,
74.2801

 70.9460, 88.3153,
74.2801


453.0794,
522.5352, 494.6288

 52.5805, 66.5842,
54.5251


119.5758,
144.9960, 127.0305

 37.6941, 48.7468,
38.6256


150.5707,
180.7145, 160.8630

 25.9215, 34.4187,
26.1630


186.5063,
221.8642, 200.2251

 16.8973, 23.2154,
16.7188


227.7477,
268.8295, 245.5354

 10.2561, 14.7527,
9.8744

274.6604,
321.9949, 297.2124

 5.6327, 8.6460,
5.2112

327.6096,

 2.6616, 4.5110,

381.7447, 355.6746

2.3108

386.9609,
448.4634, 421.3405

■ 0.9774, 1.9633,
0.7373

■ 0.0000, 0.5860,
0.0000

■ 70.9460, 88.3153,
74.2801

■ 70.9460, 88.3153,
74.2801

■ 62.3456, 84.1579,
61.3939

■ 81.0083, 93.1884,
88.9437

■ 55.1364, 80.6814,
50.2135

■ 92.5947, 98.8082,
105.4446

■ 49.2446, 77.8492,
40.6686

■ 95.0500, 100.0000,
108.9000

■ 44.5888, 75.6210,
32.6821

■ 41.0783, 73.9518,
26.1710

■ 38.6095, 72.7900,
21.0444

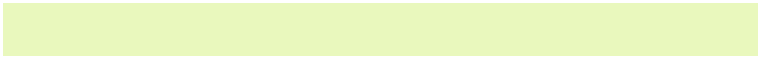
■ 37.0590, 72.0741,
17.2010

■ 36.3378, 71.7511,
14.9625

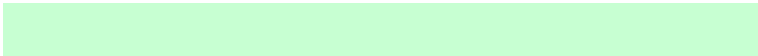
Harmonies

Analogous

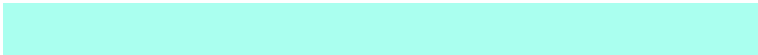
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4388, 88.3153, 61.2563



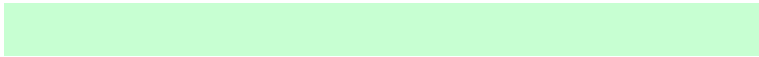
70.9460, 88.3153, 74.2801



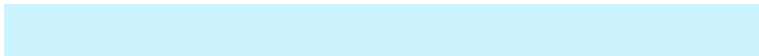
68.8979, 88.3153, 95.2234

Triad

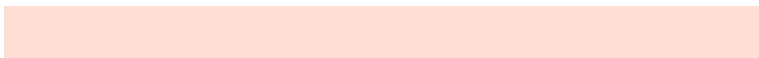
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9460, 88.3153, 74.2801



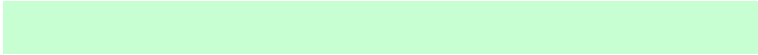
83.6133, 88.3153, 149.8148



98.7987, 88.3153, 75.6592

Complementary

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



70.9460, 88.3153, 74.2801



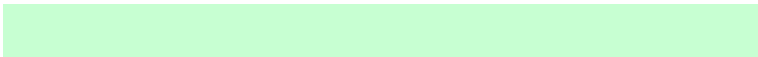
77.9927, 68.6390, 94.7252

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.



101.0285, 88.3153, 97.1034



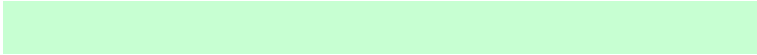
70.9460, 88.3153, 74.2801



91.9188, 88.3153, 142.3027

Square

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



70.9460, 88.3153, 74.2801



75.9060, 88.3153, 141.0855



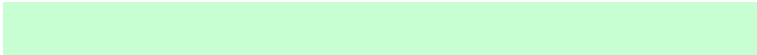
98.4333, 88.3153, 121.9636



92.5241, 88.3153, 61.9548

Rectangle

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



70.9460, 88.3153, 74.2801



69.6504, 88.3153, 111.7677



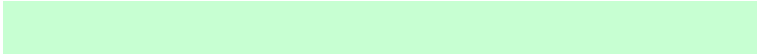
98.4333, 88.3153, 121.9636



100.0638, 88.3153, 82.0781

Sweetspot

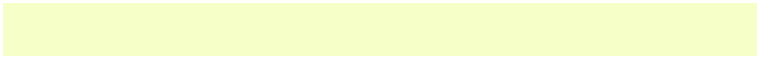
The Sweet Spot groups the original color and five complimentary colors.



70.9466, 88.3155, 74.2815



86.5611, 95.8807, 96.8950



83.6322, 95.0082, 67.9641



18.3787, 20.4502, 20.5272



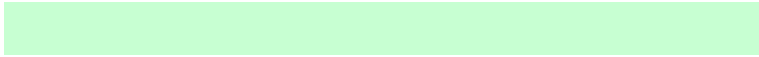
0.0000, 0.0000, 0.0000



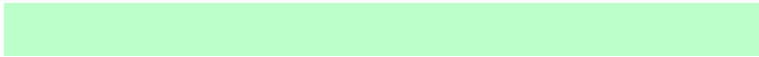
20.3446, 21.4041, 23.3091

Same Dimension

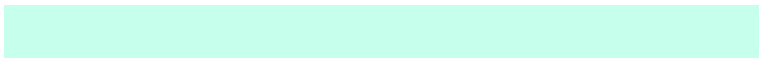
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9466, 88.3155, 74.2815



67.3000, 86.5517, 68.8654



74.6386, 89.7923, 93.7233



17.9174, 20.2265, 19.8680



19.0283, 37.5079, 8.0345



1.8889, 3.6665, 0.9730

Inverse Universe

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



77.9927, 68.6390, 94.7252



75.3964, 63.9356, 92.3520



74.1535, 67.1033, 74.5084



18.6307, 18.2356, 21.9383



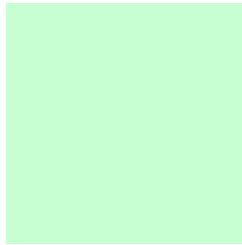
27.3548, 13.4312, 31.5826



2.7007, 1.3226, 3.2712

Previews

White Background



This preview shows how the XYZ color 70.9460, 88.3153, 74.2801 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 70.9460, 88.3153, 74.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

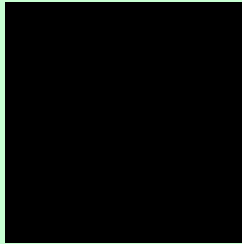
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

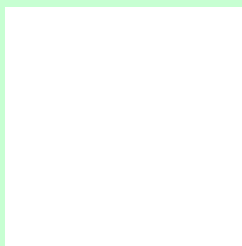
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9460, 88.3153, 74.2801

Background



This preview shows how black text looks on a background with the XYZ color 70.9460, 88.3153, 74.2801.



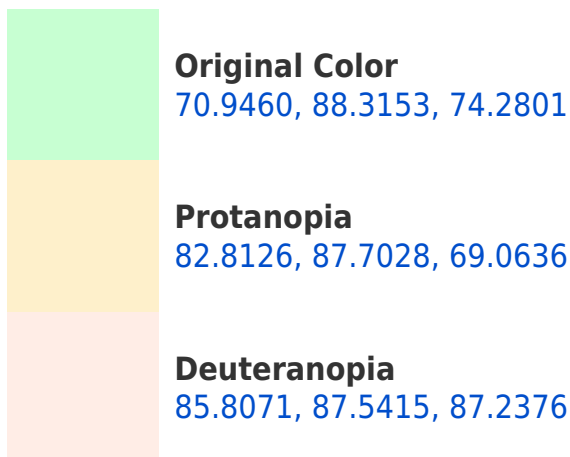
This preview shows how white text looks on a background with the XYZ color 70.9460, 88.3153,

74.2801.

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





Tritanopia

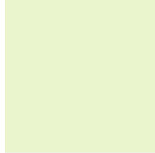
81.4520, 87.9289, 107.2867

Trichromacy



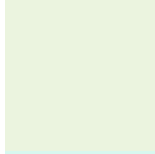
Original Color

70.9460, 88.3153, 74.2801



Protanomaly

77.7247, 87.2535, 71.1376



Deuteranomaly

79.9309, 87.6912, 82.5253



Tritanomaly

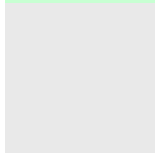
77.4663, 87.9657, 94.5575

Monochromacy



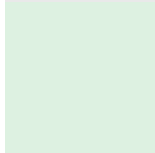
Original Color

70.9460, 88.3153, 74.2801



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.8647, 83.7190, 83.4478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9460, 88.3153, 74.2801 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, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 210)  
}
```

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, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 210) }
```

Border

The CSS property to change the border of an element to XYZ 70.9460, 88.3153, 74.2801 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, 255, 210) }
```


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

```
.border{ border-color:rgb(199, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9460, 88.3153, 74.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 210) }
```

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

```
.background{ background-color: rgb(199,  
255, 210) }
```

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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