

Converting Colors

XYZ(71.4498, 88.5137, 77.0714)

Have a look what the booklet for
XYZ(71.4498, 88.5137, 77.0714)
contains.

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Color

**XYZ(71.4508, 88.5172,
76.9380)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFD6
RGB	199, 255, 214
RGB Percent	78%, 100%, 84%
CMY	0.2196, 0.0000, 0.1608
CMYK	0.22, 0.00, 0.16, 0.00
HSL	136°, 100%, 89%
HSV	136°, 22%, 100%
XYZ	71.4508, 88.5172, 76.9380
YIQ	233.5820, -20.2150, -24.6230

Conversions

Conversions Part 2

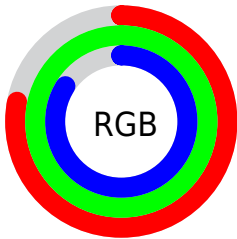
Format	Color
RYB	199, 243, 255
Decimal	13107158
CIELab	95.38, -25.45, 13.89
CIElCh	95, 28.993, 151.367
Yxy	88.5172, 0.3016, 0.3736
Android (android.graphics.Color)	4291297238 (0xFFC7FFD6)
YUV	233.5820, -9.6539, -30.3284
Hunter-Lab	94.0836, -29.0863, 17.3734

Details

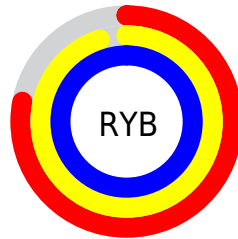
The XYZ color **71.4508, 88.5172, 76.9380** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.3919, 68.3988, 91.5611**, and the grayscale version is **77.9719, 82.0325, 89.3334**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9537, 48.8207, 40.2238** is the 20% darker color. If you saturate the color by 10%, you get **62.9927, 84.4167, 64.8013**, and if you desaturate by 10%, it is **81.3172, 93.3120, 90.5700**.

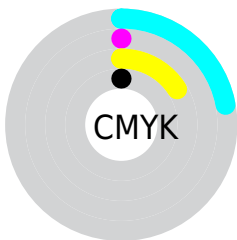
Distribution



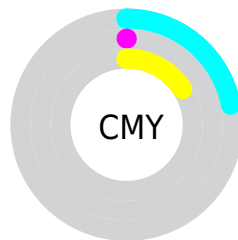
- Red (78%)
- Green (100%)
- Blue (84%)



- Red (78%)
- Yellow (95%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4508, 88.5172, 76.9380 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 71.4508, 88.5172, 76.9380 by changing the saturation by 10% instead.


 71.4508, 88.5172,
76.9380

 71.4508, 88.5172,
76.9380


454.8151,
523.1955, 503.9847

 52.9940, 66.7515,
56.6907


120.2904,
145.2770, 130.8242

 38.0255, 48.8827,
40.3493

151.4040,
181.0399, 165.3002

 26.1797, 34.5264,
27.4951


187.4672,
222.2372, 205.3561

 17.0915, 23.2983,
17.7097

228.8454,
269.2535, 251.4106

 10.3955, 14.8139,
10.5745

275.9039,
322.4731, 303.8822

 5.7262, 8.6889,
5.6709

329.0081,

 2.7184, 4.5388,

382.2803, 363.1893

2.5805

388.5234,
449.0597, 429.7507

■ 1.0067, 1.9793,
0.8824

■ 0.0000, 0.5954,
0.0000

■ 71.4508, 88.5172,
76.9380

■ 71.4508, 88.5172,
76.9380

■ 62.9927, 84.4167,
64.8013

■ 81.3172, 93.3120,
90.5700

■ 55.8753, 80.9770,
54.1045

■ 92.6513, 98.8308,
105.7415

■ 50.0283, 78.1627,
44.7953

■ 95.0500, 100.0000,
108.9000

■ 45.3739, 75.9351,
36.8163

■ 41.8256, 74.2507,
30.1061

■ 39.2844, 73.0599,
24.5983

■ 37.6324, 72.3035,
20.2205

■ 36.8128, 71.9411,
17.4640

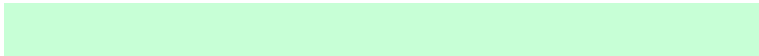
Harmonies

Analogous

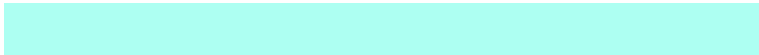
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4456, 88.5172, 63.7045



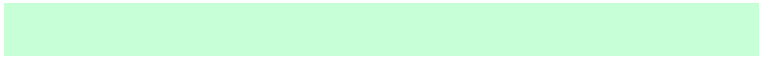
71.4508, 88.5172, 76.9380



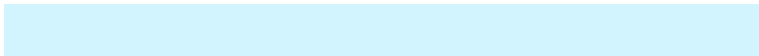
69.7959, 88.5172, 97.4253

Triad

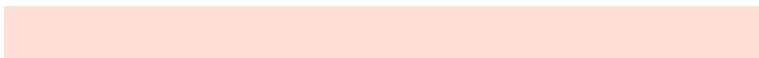
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4508, 88.5172, 76.9380



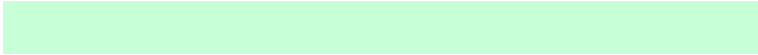
84.4971, 88.5172, 146.9409



97.8308, 88.5172, 75.3963

Complementary

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



71.4508, 88.5172, 76.9380



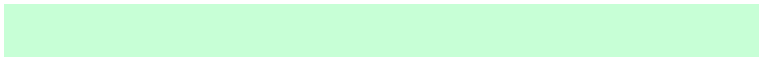
77.3919, 68.3988, 91.5611

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.



100.3100, 88.5172, 95.3426



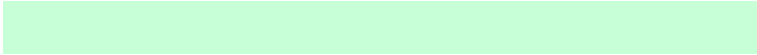
71.4508, 88.5172, 76.9380



92.3191, 88.5172, 138.6663

Square

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



71.4508, 88.5172, 76.9380



77.0379, 88.5172, 139.9977



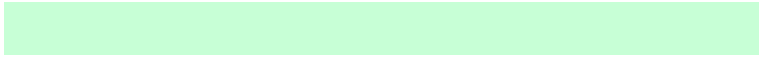
98.2334, 88.5172, 118.8493



91.6507, 88.5172, 62.9176

Rectangle

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



71.4508, 88.5172, 76.9380



70.7211, 88.5172, 113.1762



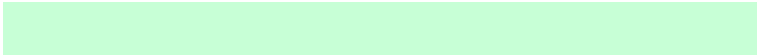
98.2334, 88.5172, 118.8493



99.1414, 88.5172, 81.3340

Sweetspot

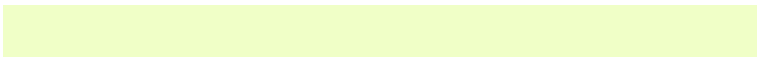
The Sweet Spot groups the original color and five complimentary colors.



71.4515, 88.5175, 76.9394



86.7519, 95.9570, 97.8997



82.0270, 94.1806, 67.8892



18.4227, 20.4678, 20.7593



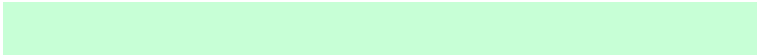
0.0000, 0.0000, 0.0000



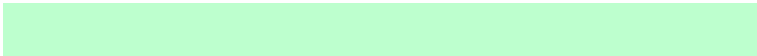
20.3446, 21.4041, 23.3091

Same Dimension

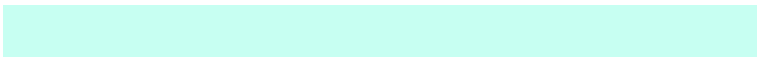
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4515, 88.5175, 76.9394



67.8685, 86.7791, 71.8589



75.3307, 90.0692, 97.3670



17.9714, 20.2481, 20.1522



19.2880, 37.6118, 9.4019



1.9211, 3.6794, 1.1424

Inverse Universe

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



77.3919, 68.3988, 91.5611



74.6943, 63.6547, 88.6546



73.5560, 66.8645, 71.3616



18.5728, 18.2124, 21.6333



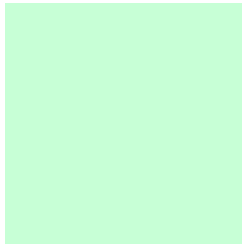
26.2838, 13.0028, 25.9429



2.6046, 1.2842, 2.7655

Previews

White Background



This preview shows how the XYZ color 71.4508, 88.5172, 76.9380 looks on a white background.

Color Contrast Check

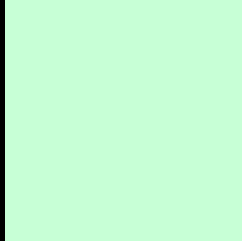
Large Text (above 18pt) WCAG AA × Fail

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 71.4508, 88.5172, 76.9380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

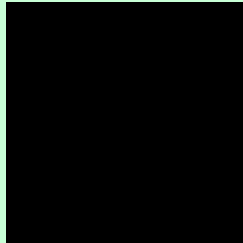
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

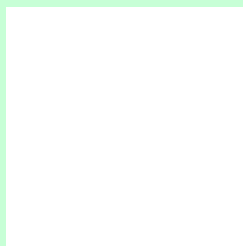
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4508, 88.5172, 76.9380

Background



This preview shows how black text looks on a background with the XYZ color 71.4508, 88.5172, 76.9380.



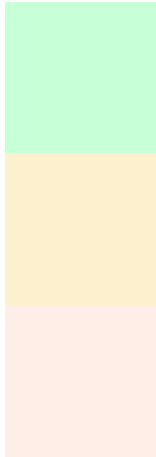
This preview shows how white text looks on a background with the XYZ color 71.4508, 88.5172,

76.9380.

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

71.4508, 88.5172, 76.9380

Protanopia

82.9306, 87.7078, 71.5899

Deuteranopia

86.0897, 87.6546, 88.7255



Tritanopia

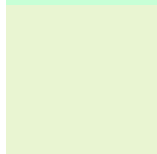
81.4520, 87.9289, 107.2867

Trichromacy



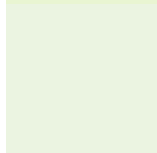
Original Color

71.4508, 88.5172, 76.9380



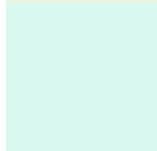
Protanomaly

77.8895, 87.2816, 73.7146



Deuteranomaly

80.2022, 87.7998, 83.9541



Tritanomaly

77.6145, 88.0250, 95.3379

Monochromacy



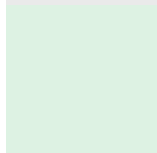
Original Color

71.4508, 88.5172, 76.9380



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.4361, 84.4225, 84.9923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4508, 88.5172, 76.9380 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 71.4508, 88.5172, 76.9380 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, 214) }
```


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

```
.border{ border-color:rgb(199, 255, 214) }
```

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, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4508, 88.5172, 76.9380 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, 214) }
```

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

```
.background{ background-color: rgb(199,  
255, 214) }
```

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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