

Converting Colors

XYZ(82.0184, 108.7399,
83.0814)

Have a look what the booklet for
XYZ(82.0184, 108.7399, 83.0814)
contains.

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Color

**XYZ(71.9681, 88.7241,
79.6620)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFDA
RGB	199, 255, 218
RGB Percent	78%, 100%, 85%
CMY	0.2196, 0.0000, 0.1451
CMYK	0.22, 0.00, 0.15, 0.00
HSL	140°, 100%, 89%
HSV	140°, 22%, 100%
XYZ	71.9681, 88.7241, 79.6620
YIQ	234.0380, -21.4990, -23.3790

Conversions

Conversions Part 2

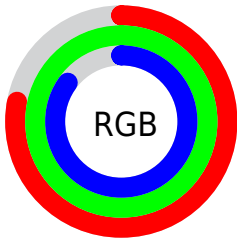
Format	Color
RYB	199, 241, 255
Decimal	13107162
CIELab	95.47, -24.73, 11.96
CIELCh	95, 27.469, 154.178
Yxy	88.7241, 0.2994, 0.3691
Android (android.graphics.Color)	4291297242 (0xFFC7FFDA)
YUV	234.0380, -7.9067, -30.7283
Hunter-Lab	94.1935, -28.4564, 15.7923

Details

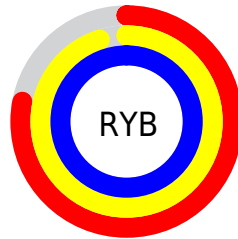
The XYZ color **71.9681, 88.7241, 79.6620** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.8041, 68.1638, 88.4657**, and the grayscale version is **78.3048, 82.3827, 89.7148**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3065, 48.9618, 42.0819** is the 20% darker color. If you saturate the color by 10%, you get **63.6655, 84.6859, 68.3439**, and if you desaturate by 10%, it is **81.6300, 93.4371, 92.2164**.

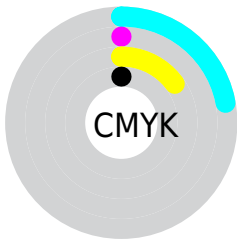
Distribution



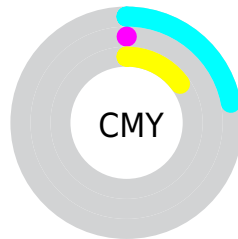
- Red (78%)
- Green (100%)
- Blue (85%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.9681, 88.7241, 79.6620 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 71.9681, 88.7241, 79.6620 by changing the saturation by 10% instead.


 71.9681, 88.7241,
79.6620

 71.9681, 88.7241,
79.6620


456.5899,
523.8716, 513.4697

 53.4180, 66.9229,
58.9157


121.0222,
145.5648, 134.6975

 38.3654, 49.0220,
42.1257

152.2569,
181.3732, 169.8238

 26.4449, 34.6369,
28.8734


188.4506,
222.6193, 210.5806

 17.2912, 23.3833,
18.7403

229.9685,
269.6878, 257.3863

 10.5389, 14.8768,
11.3079

277.1760,
322.9628, 310.6596

 5.8227, 8.7330,
6.1576

330.4385,

 2.7772, 4.5674,

382.8288, 370.8188

2.8708

390.1214,
449.6703, 438.2827

■ 1.0371, 1.9958,
1.0290

■ 0.0000, 0.6050,
0.0000

■ 71.9681, 88.7241,
79.6620

■ 71.9681, 88.7241,
79.6620

■ 63.6655, 84.6859,
68.3439

■ 81.6300, 93.4371,
92.2164

■ 56.6570, 81.2896,
58.2203

■ 92.7078, 98.8535,
106.0389

■ 50.8748, 78.5013,
49.2527

■ 95.0500, 100.0000,
108.9000

■ 46.2443, 76.2832,
41.3994

■ 42.6820, 74.5933,
34.6160

■ 40.0927, 73.3832,
28.8547

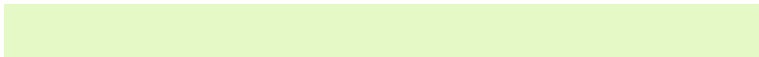
■ 38.3623, 72.5954,
24.0640

■ 37.4608, 72.2003,
20.8763

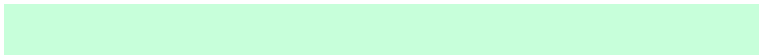
Harmonies

Analogous

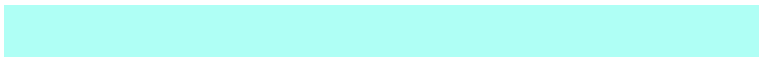
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4622, 88.7241, 66.2278



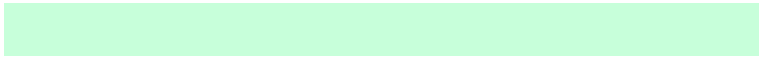
71.9681, 88.7241, 79.6620



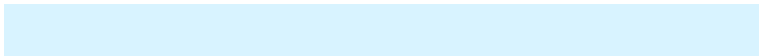
70.7107, 88.7241, 99.6551

Triad

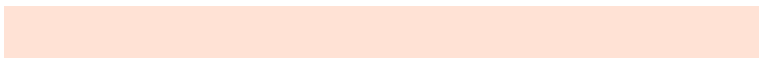
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9681, 88.7241, 79.6620



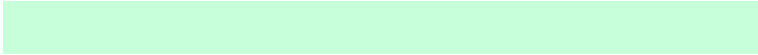
85.3878, 88.7241, 144.0895



96.8708, 88.7241, 75.1530

Complementary

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



71.9681, 88.7241, 79.6620



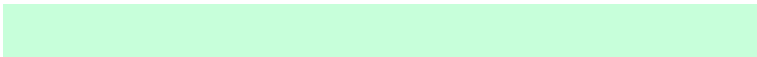
76.8041, 68.1638, 88.4657

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.



99.5937, 88.7241, 93.6187



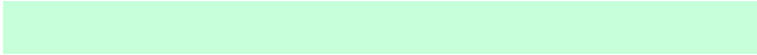
71.9681, 88.7241, 79.6620



92.7190, 88.7241, 135.0880

Square

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



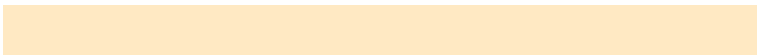
71.9681, 88.7241, 79.6620



78.1849, 88.7241, 138.8974



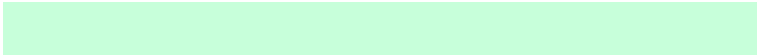
98.0312, 88.7241, 115.7956



90.7881, 88.7241, 63.9088

Rectangle

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



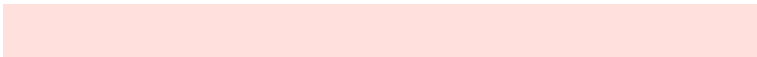
71.9681, 88.7241, 79.6620



71.8104, 88.7241, 114.5846



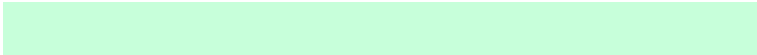
98.0312, 88.7241, 115.7956



98.2252, 88.7241, 80.6128

Sweetspot

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



71.9688, 88.7244, 79.6634



86.9440, 96.0339, 98.9116



80.7721, 93.5337, 67.8306



18.4671, 20.4856, 20.9932



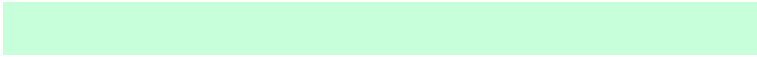
0.0000, 0.0000, 0.0000



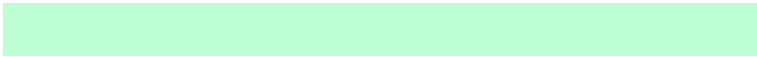
20.3446, 21.4041, 23.3091

Same Dimension

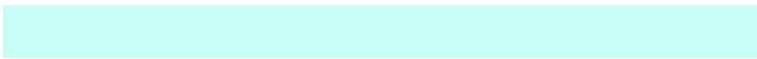
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9688, 88.7244, 79.6634



68.4543, 87.0135, 74.9440



75.8971, 90.2958, 100.3496



18.0259, 20.2699, 20.4391



19.6364, 37.7511, 11.2363



1.9606, 3.6952, 1.3504

Inverse Universe

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



76.8041, 68.1638, 88.4657



74.0104, 63.3812, 85.0532



73.0903, 66.6783, 68.9087



18.5154, 18.1895, 21.3311



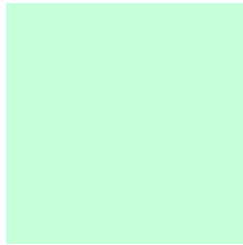
25.3379, 12.6244, 20.9616



2.5182, 1.2497, 2.3102

Previews

White Background



This preview shows how the XYZ color 71.9681, 88.7241, 79.6620 looks on a white background.

Color Contrast Check

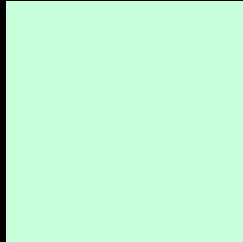
Large Text (above 18pt) WCAG AA × Fail

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 71.9681, 88.7241, 79.6620 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

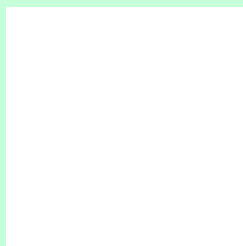
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.9681, 88.7241, 79.6620

Background



This preview shows how black text looks on a background with the XYZ color 71.9681, 88.7241, 79.6620.



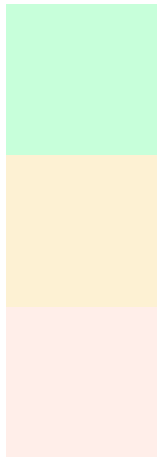
This preview shows how white text looks on a background with the XYZ color 71.9681, 88.7241,

79.6620.

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

71.9681, 88.7241, 79.6620

Protanopia

83.7212, 88.4964, 74.2969

Deuteranopia

86.5225, 88.2923, 89.5727



Tritanopia

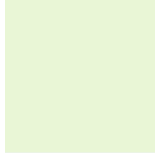
81.7537, 88.5324, 107.3873

Trichromacy



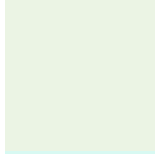
Original Color

71.9681, 88.7241, 79.6620



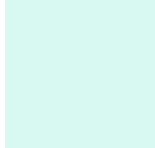
Protanomaly

78.6976, 88.0902, 76.4736



Deuteranomaly

80.6152, 87.9650, 86.1288



Tritanomaly

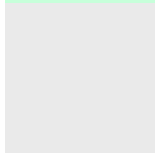
78.2216, 88.7611, 97.0143

Monochromacy



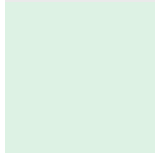
Original Color

71.9681, 88.7241, 79.6620



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.5745, 84.4778, 85.7214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9681, 88.7241, 79.6620 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 71.9681, 88.7241, 79.6620 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, 218) }
```


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

```
.border{ border-color:rgb(199, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9681, 88.7241, 79.6620 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, 218) }
```

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

```
.background{ background-color: rgb(199,  
255, 218) }
```

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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