

Converting Colors

XYZ(76.9314, 100.0000,
85.1486)

Have a look what the booklet for
XYZ(76.9314, 100.0000, 85.1486)
contains.

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Color

**XYZ(71.0716, 88.1852,
83.0876)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFDF
RGB	193, 255, 223
RGB Percent	76%, 100%, 87%
CMY	0.2431, 0.0000, 0.1255
CMYK	0.24, 0.00, 0.13, 0.00
HSL	149°, 100%, 88%
HSV	149°, 24%, 100%
XYZ	71.0716, 88.1852, 83.0876
YIQ	232.8140, -26.6800, -23.0960

Conversions

Conversions Part 2

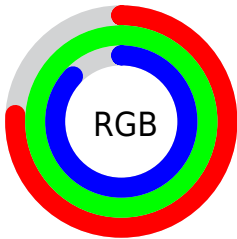
Format	Color
RYB	193, 235, 255
Decimal	12713951
CIELab	95.24, -25.65, 9.03
CIELCh	95, 27.194, 160.611
Yxy	88.1852, 0.2933, 0.3639
Android (android.graphics.Color)	4290904031 (0xFFC1FFDF)
YUV	232.8140, -4.8383, -34.9169
Hunter-Lab	93.9070, -29.2431, 13.2759

Details

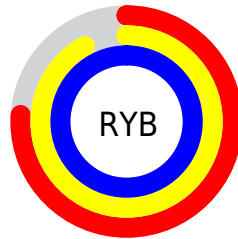
The XYZ color **71.0716, 88.1852, 83.0876** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.9010, 64.8370, 79.8540**, and the grayscale version is **77.3615, 81.3903, 88.6341**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **37.7432, 48.6186, 44.4408** is the 20% darker color. If you saturate the color by 10%, you get **63.4157, 84.4355, 73.8243**, and if you desaturate by 10%, it is **79.9878, 92.5685, 93.1327**.

Distribution



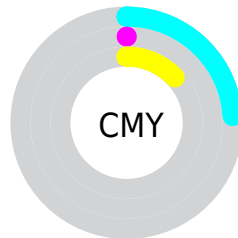
- Red (76%)
- Green (100%)
- Blue (87%)



- Red (76%)
- Yellow (92%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.0716, 88.1852, 83.0876 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 71.0716, 88.1852, 83.0876 by changing the saturation by 10% instead.


 71.0716, 88.1852,
83.0876

 71.0716, 88.1852,
83.0876


453.5116,
522.1095, 525.2571

 52.6834, 66.4765,
61.7214


 119.7536,
144.8150, 139.5485

 37.7765, 48.6593,
44.3733


150.7781,
180.5048, 175.4802

 25.9857, 34.3493,
30.6247


186.7455,
221.6237, 217.1042

 16.9456, 23.1621,
20.0572

228.0210,
268.5562, 264.8390

 10.2908, 14.7132,
12.2521

274.9700,
321.6867, 319.1032

 5.6559, 8.6184,
6.7910

327.9578,

 2.6757, 4.4931,

381.3994, 380.3152

3.2553

387.3499,
448.0789, 448.8937

■ 0.9847, 1.9530,
1.2264

■ 0.0000, 0.5800,
0.0003

■ 71.0716, 88.1852,
83.0876

■ 71.0716, 88.1852,
83.0876

■ 63.4157, 84.4355,
73.8243

■ 79.9878, 92.5685,
93.1327

■ 56.9571, 81.2875,
65.3195

■ 90.2184, 97.6132,
103.9737

■ 51.6308, 78.7081,
57.5546

95.0500, 100.0000,
108.9000

■ 47.3642, 76.6601,
50.5087

■ 44.0760, 75.1021,
44.1598

■ 41.6720, 73.9859,
38.4846

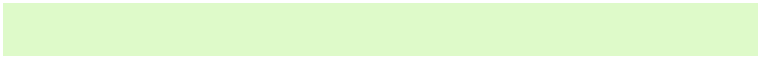
■ 40.0373, 73.2527,
33.4576

■ 39.3597, 72.9599,
30.8757

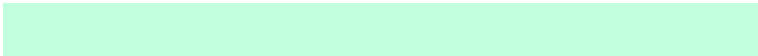
Harmonies

Analogous

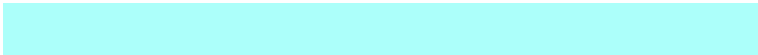
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8728, 88.1852, 68.2300



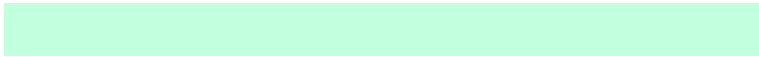
71.0716, 88.1852, 83.0876



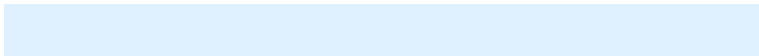
70.5667, 88.1852, 103.7378

Triad

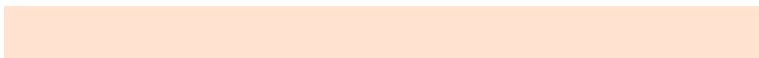
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.0716, 88.1852, 83.0876



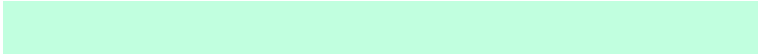
86.4710, 88.1852, 142.0189



95.1168, 88.1852, 71.8109

Complementary

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



71.0716, 88.1852, 83.0876



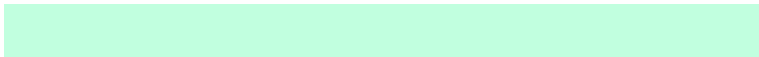
73.9010, 64.8370, 79.8540

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.



98.6310, 88.1852, 88.6924



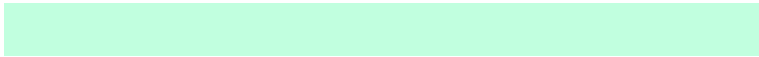
71.0716, 88.1852, 83.0876



93.4474, 88.1852, 130.4824

Square

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



71.0716, 88.1852, 83.0876



79.1714, 88.1852, 139.9289



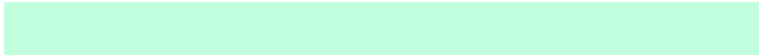
98.0026, 88.1852, 110.2263



88.6416, 88.1852, 62.4146

Rectangle

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



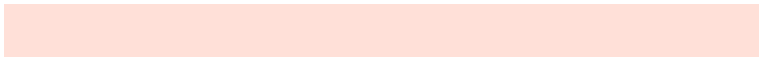
71.0716, 88.1852, 83.0876



72.1327, 88.1852, 118.3544



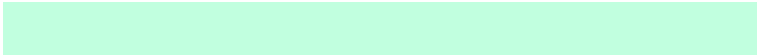
98.0026, 88.1852, 110.2263



96.7003, 88.1852, 76.6862

Sweetspot

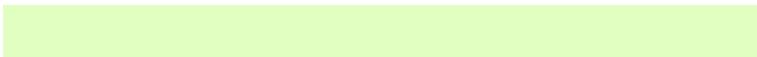
The Sweet Spot groups the original color and five complimentary colors.



71.0724, 88.1855, 83.0890



87.3371, 96.1911, 100.9813



76.4479, 91.3834, 64.0628



18.5581, 20.5219, 21.4720



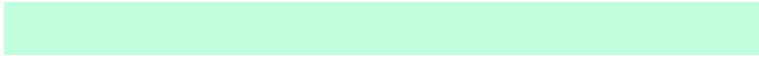
0.0000, 0.0000, 0.0000



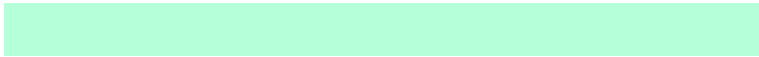
20.3446, 21.4041, 23.3091

Same Dimension

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



71.0724, 88.1855, 83.0890



67.3305, 86.3509, 78.6508



75.6369, 90.0113, 107.1254



18.1378, 20.3146, 21.0285



20.6410, 38.1530, 16.5265



2.0646, 3.7368, 1.8983

Inverse Universe

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



73.9010, 64.8370, 79.8540



70.5888, 59.4540, 74.9228



70.0520, 63.2974, 59.5852



18.4008, 18.1436, 20.7278



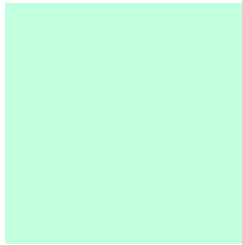
23.7869, 12.0041, 12.7943



2.3713, 1.1909, 1.5366

Previews

White Background



This preview shows how the XYZ color 71.0716, 88.1852, 83.0876 looks on a white background.

Color Contrast Check

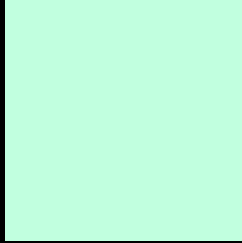
Large Text (above 18pt) WCAG AA × Fail

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 71.0716, 88.1852, 83.0876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

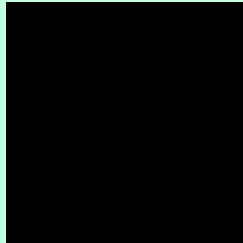
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

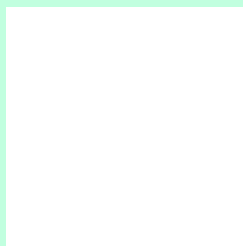
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0716, 88.1852, 83.0876

Background



This preview shows how black text looks on a background with the XYZ color 71.0716, 88.1852, 83.0876.

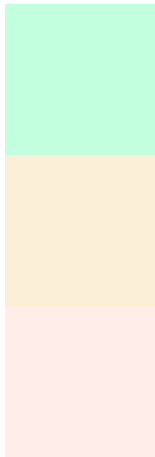


This preview shows how white text looks on a background with the XYZ color 71.0716, 88.1852,

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

71.0716, 88.1852, 83.0876

Protanopia

83.2095, 87.7357, 76.8391

Deuteranopia

86.3755, 87.7689, 90.2305



Tritanopia

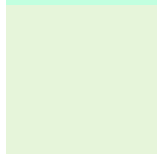
80.8266, 88.0544, 107.3439

Trichromacy



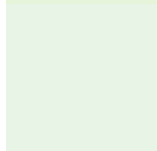
Original Color

71.0716, 88.1852, 83.0876



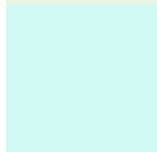
Protanomaly

77.9404, 87.1898, 79.0511



Deuteranomaly

79.9123, 87.5703, 87.5538



Tritanomaly

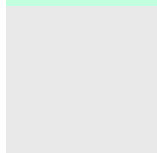
76.9173, 88.0713, 97.7395

Monochromacy



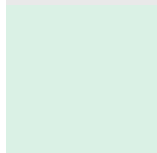
Original Color

71.0716, 88.1852, 83.0876



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.5116, 83.4732, 86.3135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0716, 88.1852, 83.0876 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(193, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 223)  
}
```

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(193, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 71.0716, 88.1852, 83.0876 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(193, 255, 223) }
```


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

```
.border{ border-color:rgb(193, 255, 223) }
```

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

Here you see how a box with a 4 pixel rgb(193, 255, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0716, 88.1852, 83.0876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 223) }
```

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

```
.background{ background-color: rgb(193,  
255, 223) }
```

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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