

Converting Colors

XYZ(71.0079, 83.0984, 80.2548)

Have a look what the booklet for
XYZ(71.0079, 83.0984, 80.2548)
contains.

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Color

**XYZ(71.0011, 83.1341,
80.0145)**

Conversions

Conversions Part 1

Format	Color
Hex	CFF4DC
RGB	207, 244, 220
RGB Percent	81%, 96%, 86%
CMY	0.1882, 0.0431, 0.1372
CMYK	0.15, 0.00, 0.10, 0.04
HSL	141°, 63%, 88%
HSV	141°, 15%, 96%
XYZ	71.0011, 83.1341, 80.0145
YIQ	230.2010, -14.3480, -15.3080

Conversions

Conversions Part 2

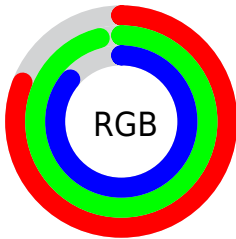
Format	Color
R _Y B	207, 234, 244
Decimal	13628636
CIE Lab	93.07, -16.47, 7.58
CIE LCh	93, 18.126, 155.296
Yxy	83.1341, 0.3032, 0.3550
Android (android.graphics.Color)	4291818716 (0xFFCFF4DC)
YUV	230.2010, -5.0291, -20.3473
Hunter-Lab	91.1779, -20.5617, 11.7937

Details

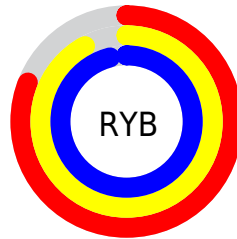
The XYZ color **71.0011, 83.1341, 80.0145** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.0478, 69.6303, 85.1424**, and the grayscale version is **75.4082, 79.3353, 86.3961**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7236, 45.3585, 42.3641** is the 20% darker color. If you saturate the color by 10%, you get **62.7059, 79.0910, 69.1972**, and if you desaturate by 10%, it is **80.5529, 87.8067, 91.9302**.

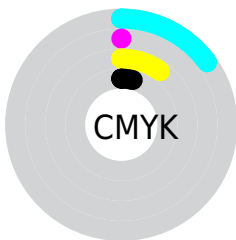
Distribution



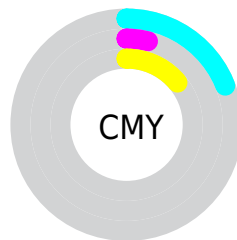
- Red (81%)
- Green (96%)
- Blue (86%)



- Red (81%)
- Yellow (92%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)




- Cyan (19%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0011, 83.1341, 80.0145 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 71.0011, 83.1341, 80.0145 by changing the saturation by 10% instead.


 71.0011, 83.1341,
80.0145

 71.0011, 83.1341,
80.0145


453.2691,
505.4333, 514.6898

 52.6256, 62.3008,
59.2040


119.6538,
137.7633, 135.1977

 37.7303, 45.2758,
42.3563


150.6617,
172.3279, 170.4075

 25.9497, 31.6747,
29.0527


186.6112,
212.2384, 211.2542

 16.9185, 21.1132,
18.8748

227.8676,
257.8793, 258.1563

 10.2713, 13.2067,
11.4039

274.7962,
309.6348, 311.5324

 5.6429, 7.5711,
6.2216

327.7624,

 2.6677, 3.8217,

367.8893, 371.8010

2.9094

387.1316,
433.0274, 439.3806

■ 0.9806, 1.5743,
1.0485

■ 0.0000, 0.3402,
0.0000

■ 71.0011, 83.1341,
80.0145

■ 71.0011, 83.1341,
80.0145

■ 62.7059, 79.0910,
69.1972

■ 80.5529, 87.8067,
91.9302

■ 55.6068, 75.6398,
59.4417

■ 91.1088, 92.9712,
104.9549

■ 49.6482, 72.7550,
50.7173

■ 91.6423, 93.1846,
107.7641

■ 44.7675, 70.4049,
42.9895

■ 40.8959, 68.5548,
36.2222

■ 37.9559, 67.1655,
30.3770

■ 35.8581, 66.1918,
25.4124

■ 34.4936, 65.5783,
21.2836

■ 34.0209, 65.3720,
19.5710

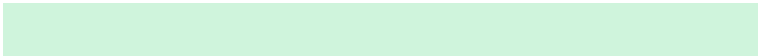
Harmonies

Analogous

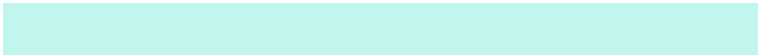
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8526, 83.1341, 70.7926



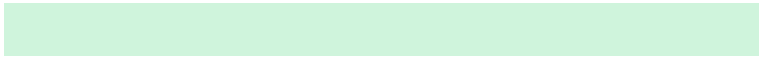
71.0011, 83.1341, 80.0145



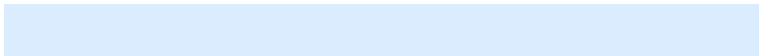
70.2611, 83.1341, 92.9561

Triad

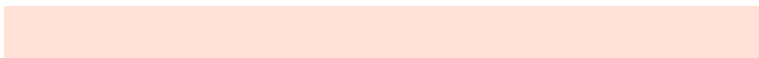
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.0011, 83.1341, 80.0145



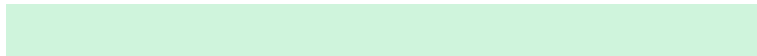
79.8630, 83.1341, 119.1626



86.7129, 83.1341, 76.2222

Complementary

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



71.0011, 83.1341, 80.0145



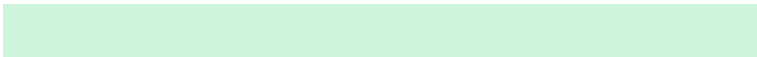
74.0478, 69.6303, 85.1424

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.



88.4705, 83.1341, 88.1246



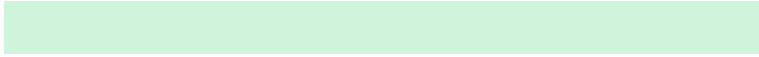
71.0011, 83.1341, 80.0145



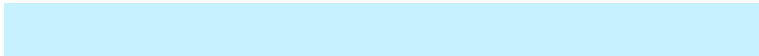
84.4156, 83.1341, 113.6064

Square

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



71.0011, 83.1341, 80.0145



75.2580, 83.1341, 116.4404



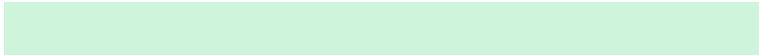
87.6135, 83.1341, 101.9046



82.8980, 83.1341, 68.7617

Rectangle

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



71.0011, 83.1341, 80.0145



71.0382, 83.1341, 102.1697



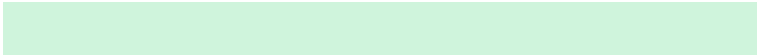
87.6135, 83.1341, 101.9046



87.5708, 83.1341, 79.7893

Sweetspot

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



71.0034, 83.1376, 80.0163



89.2106, 97.1402, 101.8249



76.5874, 86.2076, 71.6357



18.9253, 20.7091, 21.5873



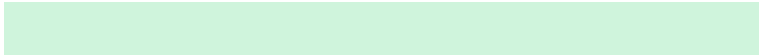
0.0000, 0.0000, 0.0000



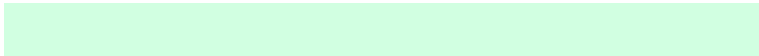
20.3446, 21.4041, 23.3091

Same Dimension

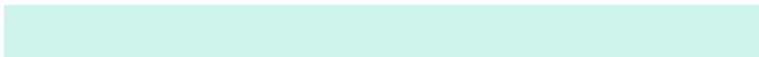
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0034, 83.1376, 80.0163



75.7042, 90.5385, 84.8813



73.5844, 84.1700, 93.6078



16.5226, 18.5682, 18.7705



18.5562, 35.5673, 10.9489



1.6778, 3.1448, 1.2090

Inverse Universe

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



74.0478, 69.6303, 85.1424



79.6264, 73.1346, 91.4837



71.5768, 68.6419, 72.1299



16.9520, 16.6636, 19.4936



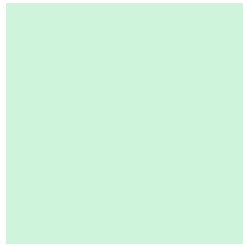
23.7221, 11.8323, 19.0429



2.1335, 1.0594, 1.9296

Previews

White Background



This preview shows how the XYZ color 71.0011, 83.1341, 80.0145 looks on a white background.

Color Contrast Check

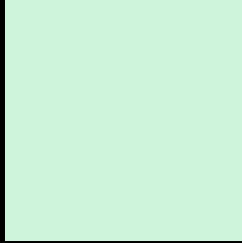
Large Text (above 18pt) WCAG AA × Fail

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 71.0011, 83.1341, 80.0145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

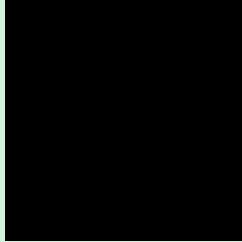
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

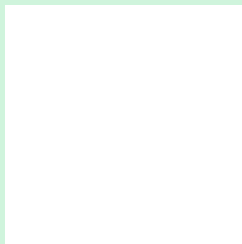
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0011, 83.1341, 80.0145

Background



This preview shows how black text looks on a background with the XYZ color 71.0011, 83.1341, 80.0145.



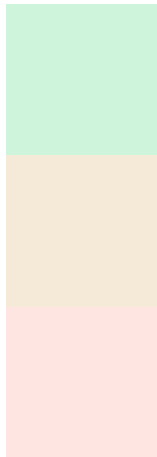
This preview shows how white text looks on a background with the XYZ color 71.0011, 83.1341,

80.0145.

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

71.0011, 83.1341, 80.0145

Protanopia

78.9968, 82.9850, 76.1441

Deuteranopia

82.9868, 82.7896, 83.5576



Tritanopia

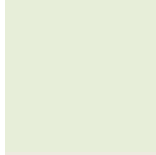
76.9434, 82.9680, 106.5668

Trichromacy



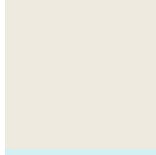
Original Color

71.0011, 83.1341, 80.0145



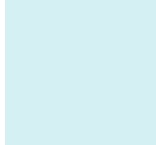
Protanomaly

76.0539, 83.1477, 77.6863



Deuteranomaly

78.1373, 82.4046, 82.3084



Tritanomaly

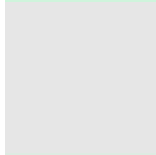
74.6277, 82.8771, 96.0680

Monochromacy



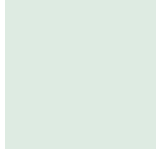
Original Color

71.0011, 83.1341, 80.0145



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.5600, 80.4372, 83.6004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0011, 83.1341, 80.0145 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(207, 244, 220)` looks like.

```
.text, #text, p{  
    color:rgb(207, 244, 220)  
}
```

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(207, 244, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 244, 220) }
```

Border

The CSS property to change the border of an element to XYZ 71.0011, 83.1341, 80.0145 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(207, 244, 220) }
```


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

```
.border{ border-color:rgb(207, 244, 220) }
```

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

Here you see how a box with a 4 pixel rgb(207, 244, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 244, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 244, 220);  
box-shadow:4px 4px 4px 4px rgb(207, 244,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0011, 83.1341, 80.0145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 244, 220) }
```

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

```
.background{ background-color: rgb(207,  
244, 220) }
```

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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