

Converting Colors

XYZ(71.6805, 85.1393, 73.7901)

Have a look what the booklet for
XYZ(71.6805, 85.1393, 73.7901)
contains.

XYZ(71.4720, 84.8763, 73.5886)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.4720, 84.8763,
73.5886)**

Conversions

Conversions Part 1

Format	Color
Hex	D2F7D2
RGB	210, 247, 210
RGB Percent	82%, 97%, 82%
CMY	0.1765, 0.0314, 0.1765
CMYK	0.15, 0.00, 0.15, 0.03
HSL	120°, 70%, 90%
HSV	120°, 15%, 97%
XYZ	71.4720, 84.8763, 73.5886
YIQ	231.7190, -10.1750, -19.3510

Conversions

Conversions Part 2

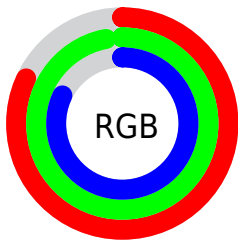
Format	Color
R_{YB}	210, 247, 247
Decimal	13826002
CIE _{Lab}	93.83, -18.73, 13.85
CIE _{LCh}	94, 23.291, 143.521
Yxy	84.8763, 0.3108, 0.3691
Android (android.graphics.Color)	4292016082 (0xFFD2F7D2)
YUV	231.7190, -10.7075, -19.0476
Hunter-Lab	92.1283, -22.7465, 17.1312

Details

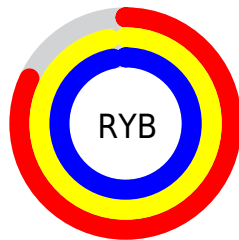
The XYZ color **71.4720, 84.8763, 73.5886** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.1959, 72.5848, 97.8885**, and the grayscale version is **76.5766, 80.5645, 87.7347**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0648, 46.5967, 37.9982** is the 20% darker color. If you saturate the color by 10%, you get **62.1316, 80.3921, 58.3087**, and if you desaturate by 10%, it is **82.3775, 90.1173, 91.4245**.

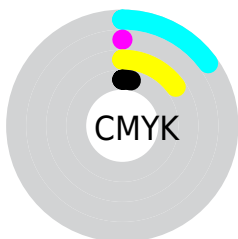
Distribution



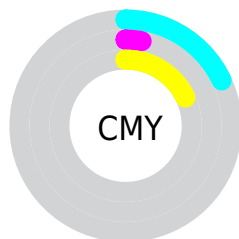
- Red (82%)
- Green (97%)
- Blue (82%)



- Red (82%)
- Yellow (97%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)





- Cyan (18%)
- Magenta (3%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4720, 84.8763, 73.5886 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 71.4720, 84.8763, 73.5886 by changing the saturation by 10% instead.


 71.4720, 84.8763,
73.5886

 71.4720, 84.8763,
73.5886


454.8879,
511.2187, 492.1776

 53.0114, 63.7392,
53.9626


120.3204,
140.2003, 126.0411

 38.0394, 46.4395,
38.1788


151.4390,
175.1560, 159.7047

 26.1906, 32.5927,
25.8186


187.5075,
215.4867, 198.8846

 17.0997, 21.8146,
16.4634

228.8914,
261.5768, 243.9994

 10.4014, 13.7208,
9.6948

275.9561,
313.8106, 295.4675

 5.7302, 7.9267,
5.0941

329.0668,

 2.7208, 4.0481,

372.5726, 353.7076

2.2429

388.5890,
438.2472, 419.1381

■ 1.0079, 1.7005,
0.6990

■ 0.0000, 0.4240,
0.0000

■ 71.4720, 84.8763,
73.5886

■ 71.4720, 84.8763,
73.5886

■ 62.1316, 80.3921,
58.3087

■ 82.3775, 90.1173,
91.4245

■ 54.2779, 76.6196,
45.4626

■ 92.5524, 95.0048,
108.0675

■ 47.8364, 73.5254,
34.9264

■ 42.7234, 71.0694,
26.5631

■ 38.8462, 69.2070,
20.2212

■ 36.1004, 67.8880,
15.7298

■ 34.3644, 67.0541,
12.8901

■ 33.4885, 66.6334,
11.4573

■ 33.2624, 66.5248,
11.0876

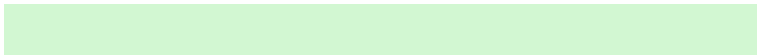
Harmonies

Analogous

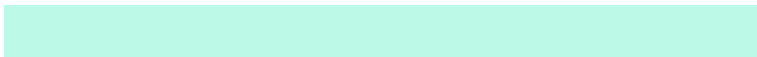
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0131, 84.8763, 64.5423



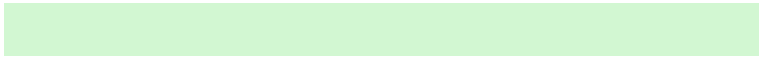
71.4720, 84.8763, 73.5886



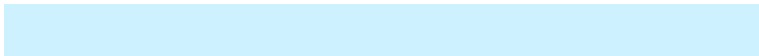
69.4104, 84.8763, 88.6213

Triad

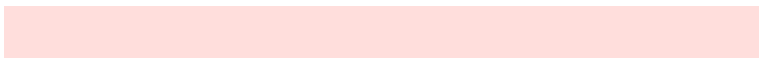
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4720, 84.8763, 73.5886



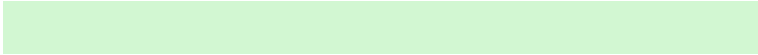
79.3363, 84.8763, 130.6083



92.0899, 84.8763, 79.4637

Complementary

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



71.4720, 84.8763, 73.5886



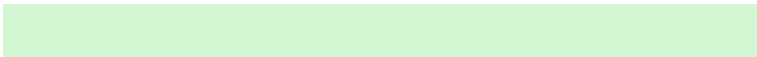
78.1959, 72.5848, 97.8885

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.



93.0911, 84.8763, 96.3172



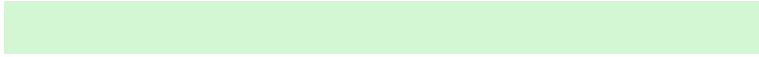
71.4720, 84.8763, 73.5886



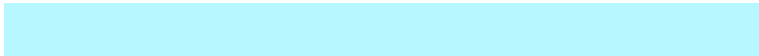
85.5183, 84.8763, 127.3419

Square

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



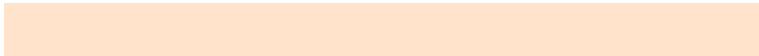
71.4720, 84.8763, 73.5886



73.7985, 84.8763, 122.6366



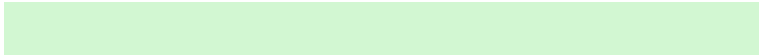
90.6303, 84.8763, 114.2081



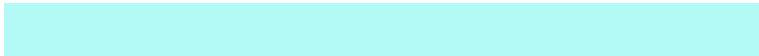
87.9604, 84.8763, 67.6186

Rectangle

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



71.4720, 84.8763, 73.5886



69.6404, 84.8763, 100.6203



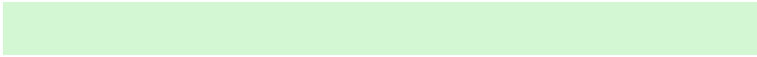
90.6303, 84.8763, 114.2081



92.8119, 84.8763, 84.6700

Sweetspot

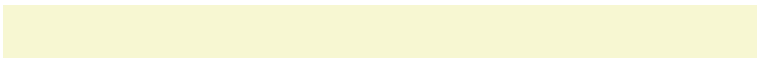
The Sweet Spot groups the original color and five complimentary colors.



71.4743, 84.8799, 73.5905



89.7974, 97.4769, 100.3084



83.2551, 90.9532, 74.1415



19.0157, 20.7658, 21.1354



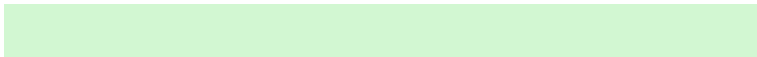
0.0000, 0.0000, 0.0000



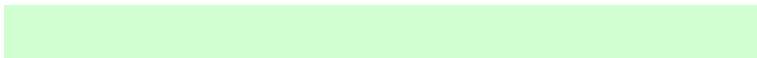
20.3446, 21.4041, 23.3091

Same Dimension

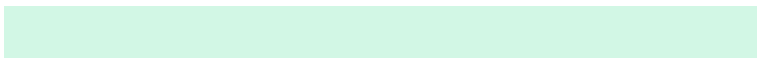
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4743, 84.8799, 73.5905



73.6039, 89.6983, 73.8211



73.9148, 85.8561, 86.4419



16.2823, 18.4721, 17.5049



17.5905, 35.1811, 5.8636



1.5460, 3.0921, 0.5154

Inverse Universe

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



78.1959, 72.5848, 97.8885



82.1149, 74.1300, 104.5878



75.4802, 71.4985, 83.5881



17.2137, 16.7683, 20.8719



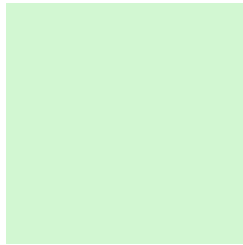
29.1648, 14.0094, 47.7036



2.5633, 1.2313, 4.1927

Previews

White Background



This preview shows how the XYZ color 71.4720, 84.8763, 73.5886 looks on a white background.

Color Contrast Check

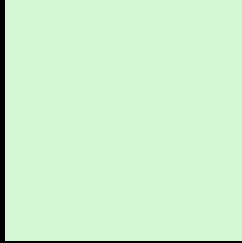
Large Text (above 18pt) WCAG AA × Fail

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 71.4720, 84.8763, 73.5886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

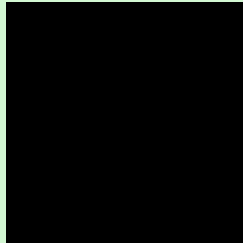
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

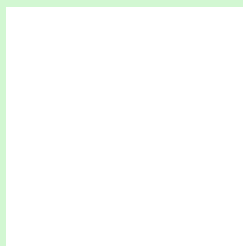
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4720, 84.8763, 73.5886

Background



This preview shows how black text looks on a background with the XYZ color 71.4720, 84.8763, 73.5886.



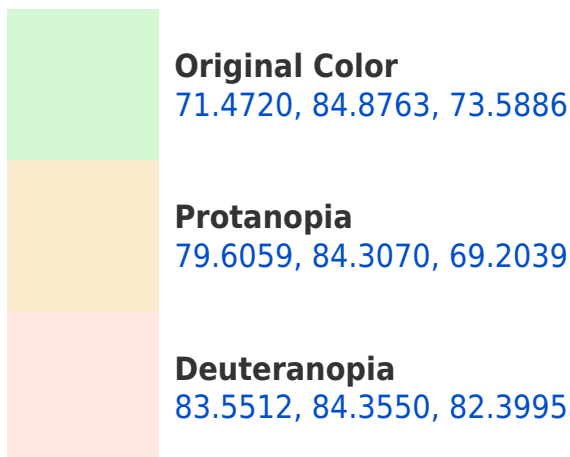
This preview shows how white text looks on a background with the XYZ color 71.4720, 84.8763,

73.5886.

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

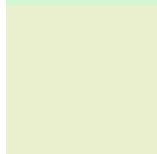
79.0407, 84.4826, 106.7486

Trichromacy



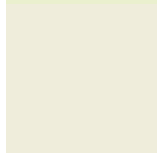
Original Color

71.4720, 84.8763, 73.5886



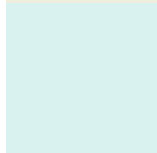
Protanomaly

76.2324, 84.2688, 70.6402



Deuteranomaly

78.6670, 84.0336, 79.0917



Tritanomaly

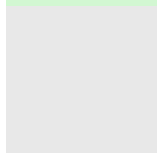
76.2456, 84.6417, 93.9803

Monochromacy



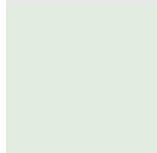
Original Color

71.4720, 84.8763, 73.5886



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.4792, 81.7975, 82.3840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4720, 84.8763, 73.5886 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(210, 247, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 247, 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(210, 247, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 247, 210) }
```

Border

The CSS property to change the border of an element to XYZ 71.4720, 84.8763, 73.5886 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(210, 247, 210) }
```


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

```
.border{ border-color:rgb(210, 247, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 247, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 247, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 247, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 247,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4720, 84.8763, 73.5886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 247, 210) }
```

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

```
.background{ background-color: rgb(210,  
247, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor