

Converting Colors

XYZ(71.4858, 85.7321, 71.7164)

Have a look what the booklet for
XYZ(71.4858, 85.7321, 71.7164)
contains.

XYZ(71.7165, 85.9580, 71.8432)	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(71.7165, 85.9580,
71.8432)**

Conversions

Conversions Part 1

Format	Color
Hex	D2F9CF
RGB	210, 249, 207
RGB Percent	82%, 98%, 81%
CMY	0.1765, 0.0235, 0.1882
CMYK	0.16, 0.00, 0.17, 0.02
HSL	116°, 78%, 89%
HSV	116°, 17%, 98%
XYZ	71.7165, 85.9580, 71.8432
YIQ	232.5510, -9.7620, -21.3300

Conversions

Conversions Part 2

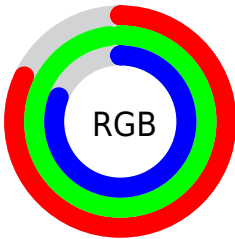
Format	Color
R_{YB}	207, 249, 246
Decimal	13826511
CIE Lab	94.29, -20.21, 16.05
CIE LCh	94, 25.808, 141.554
Yxy	85.9580, 0.3125, 0.3745
Android (android.graphics.Color)	4292016591 (0xFFD2F9CF)
YUV	232.5510, -12.5966, -19.7772
Hunter-Lab	92.7135, -24.1740, 18.9560

Details

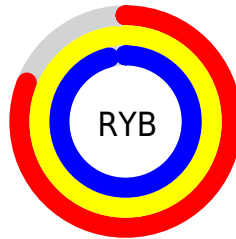
The XYZ color **71.7165, 85.9580, 71.8432** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.4213, 71.0605, 99.2625**, and the grayscale version is **77.2135, 81.2346, 88.4645**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1170, 46.9677, 37.1937** is the 20% darker color. If you saturate the color by 10%, you get **62.7952, 81.6859, 56.7683**, and if you desaturate by 10%, it is **82.0737, 90.9199, 89.4950**.

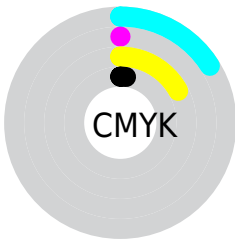
Distribution



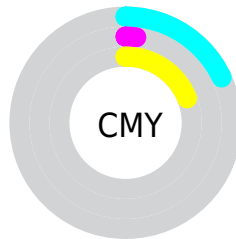
- Red (82%)
- Green (98%)
- Blue (81%)



- Red (81%)
- Yellow (98%)
- Blue (96%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (18%)
- Magenta (2%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7165, 85.9580, 71.8432 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 71.7165, 85.9580, 71.8432 by changing the saturation by 10% instead.


 71.7165, 85.9580,
71.8432

 71.7165, 85.9580,
71.8432


455.7272,
514.7927, 485.9585

 53.2118, 64.6332,
52.5445


120.6664,
141.7109, 123.5392

 38.2000, 47.1638,
37.0541


151.8422,
176.9078, 156.7737

 26.3159, 33.1651,
24.9532


187.9724,
217.4975, 195.4905

 17.1940, 22.2530,
15.8235

229.4224,
263.8645, 240.1081

 10.4691, 14.0429,
9.2464

276.5576,
316.3931, 291.0452

 5.7757, 8.1505,
4.8032

329.7432,

 2.7485, 4.1914,

375.4678, 348.7203

2.0756

389.3446,
441.4728, 413.5519

■ 1.0222, 1.7812,
0.6012

■ 0.0000, 0.4754,
0.0000

■ 71.7165, 85.9580,
71.8432

■ 71.7165, 85.9580,
71.8432

■ 62.7952, 81.6859,
56.7683

■ 82.0737, 90.9199,
89.4950

■ 55.2399, 78.0625,
44.1445

■ 93.1674, 96.2348,
108.2725

■ 48.9851, 75.0596,
33.8439

■ 43.9573, 72.6421,
25.7250

■ 40.0755, 70.7719,
19.6308

■ 37.2490, 69.4058,
15.3831

■ 35.3734, 68.4947,
12.7732

■ 34.3215, 67.9788,
11.5362

■ 34.1227, 67.8812,
11.3039

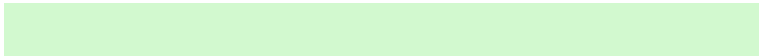
Harmonies

Analogous

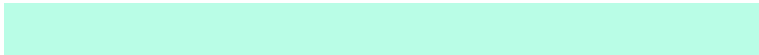
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9092, 85.9580, 62.4376



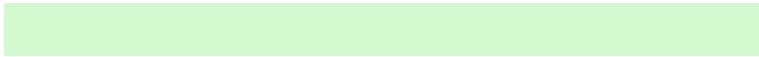
71.7165, 85.9580, 71.8432



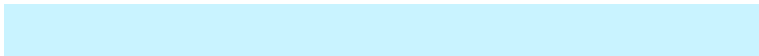
69.2334, 85.9580, 88.1074

Triad

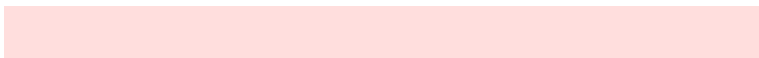
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7165, 85.9580, 71.8432



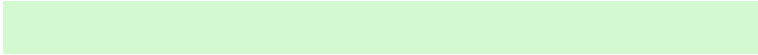
79.7617, 85.9580, 136.5728



94.7109, 85.9580, 80.2809

Complementary

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



71.7165, 85.9580, 71.8432



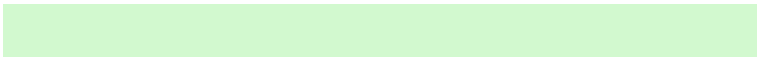
77.4213, 71.0605, 99.2625

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.



95.5811, 85.9580, 99.3031



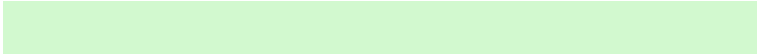
71.7165, 85.9580, 71.8432



86.6867, 85.9580, 133.6968

Square

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



71.7165, 85.9580, 71.8432



73.7035, 85.9580, 126.7225



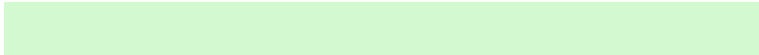
92.5706, 85.9580, 119.3428



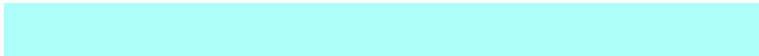
90.2560, 85.9580, 66.8091

Rectangle

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



71.7165, 85.9580, 71.8432



69.3456, 85.9580, 101.4351



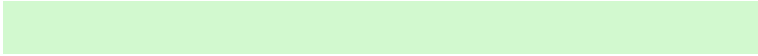
92.5706, 85.9580, 119.3428



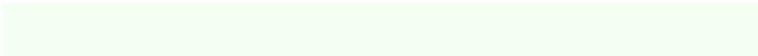
95.4420, 85.9580, 86.1671

Sweetspot

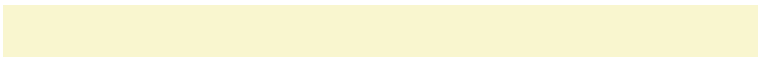
The Sweet Spot groups the original color and five complimentary colors.



71.7188, 85.9617, 71.8451



88.8421, 97.0291, 98.2474



83.1371, 90.2568, 72.0723



18.8360, 20.6821, 20.7209



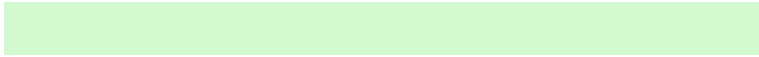
0.0000, 0.0000, 0.0000



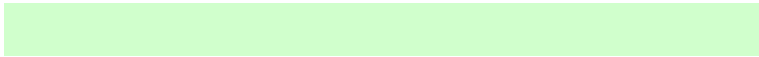
20.3446, 21.4041, 23.3091

Same Dimension

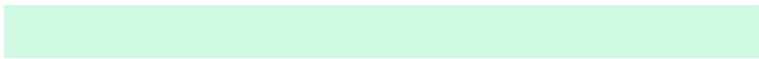
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7188, 85.9617, 71.8451



72.5708, 89.2376, 70.5264



73.1330, 86.4296, 83.7076



17.1321, 19.3684, 18.2979



18.3062, 36.3555, 6.0525



1.7341, 3.3871, 0.5624

Inverse Universe

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



77.4213, 71.0605, 99.2625



79.5558, 70.9816, 104.1155



75.8773, 70.5654, 85.5964



17.8635, 17.4578, 21.8135



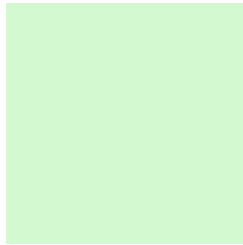
26.8828, 12.8013, 49.0276



2.5254, 1.2040, 4.5425

Previews

White Background



This preview shows how the XYZ color 71.7165, 85.9580, 71.8432 looks on a white background.

Color Contrast Check

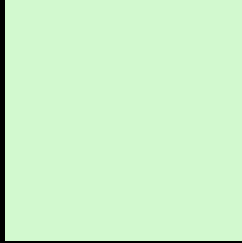
Large Text (above 18pt) WCAG AA × Fail

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 71.7165, 85.9580, 71.8432 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

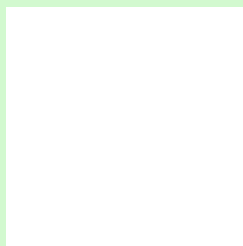
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7165, 85.9580, 71.8432

Background



This preview shows how black text looks on a background with the XYZ color 71.7165, 85.9580, 71.8432.



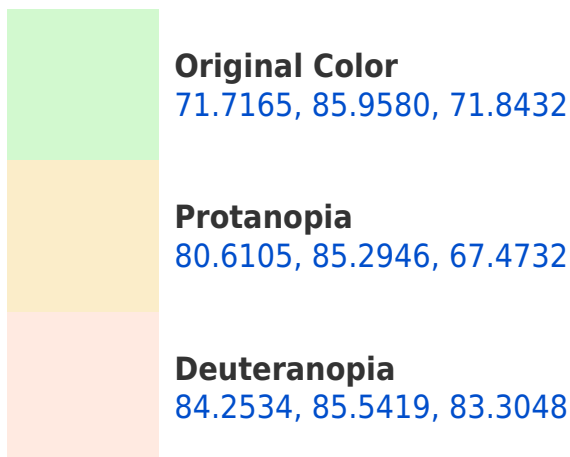
This preview shows how white text looks on a background with the XYZ color 71.7165, 85.9580,

71.8432.

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

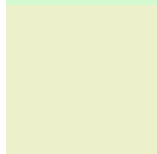
80.2458, 85.9779, 106.9737

Trichromacy



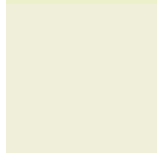
Original Color

71.7165, 85.9580, 71.8432



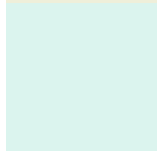
Protanomaly

76.8269, 85.0553, 68.8680



Deuteranomaly

79.1180, 85.1457, 78.5945



Tritanomaly

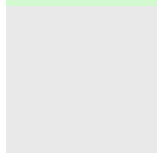
76.9967, 85.9345, 93.4178

Monochromacy



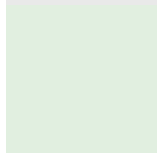
Original Color

71.7165, 85.9580, 71.8432



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.3724, 83.1224, 82.5927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7165, 85.9580, 71.8432 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, 249, 207)` looks like.

```
.text, #text, p{  
    color:rgb(210, 249, 207)  
}
```

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, 249, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 249, 207) }
```

Border

The CSS property to change the border of an element to XYZ 71.7165, 85.9580, 71.8432 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, 249, 207) }
```


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

```
.border{ border-color:rgb(210, 249, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 249, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 249, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 249, 207);  
box-shadow:4px 4px 4px 4px rgb(210, 249,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7165, 85.9580, 71.8432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 249, 207) }
```

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

```
.background{ background-color: rgb(210,  
249, 207) }
```

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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