

Converting Colors

XYZ(71.8290, 88.8242, 71.8908)

Have a look what the booklet for
XYZ(71.8290, 88.8242, 71.8908)
contains.

XYZ(71.8024, 88.8136, 71.7509)	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(71.8024, 88.8136,
71.7509)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFCE
RGB	204, 255, 206
RGB Percent	80%, 100%, 81%
CMY	0.2000, 0.0000, 0.1921
CMYK	0.20, 0.00, 0.19, 0.00
HSL	122°, 100%, 90%
HSV	122°, 20%, 100%
XYZ	71.8024, 88.8136, 71.7509
YIQ	234.1650, -14.6670, -26.0510

Conversions

Conversions Part 2

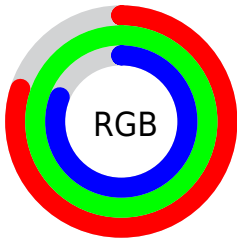
Format	Color
RYB	204, 253, 255
Decimal	13434830
CIELab	95.50, -25.24, 18.20
CIELCh	96, 31.118, 144.197
Yxy	88.8136, 0.3090, 0.3822
Android (android.graphics.Color)	4291624910 (0xFFCCFFCE)
YUV	234.1650, -13.8853, -26.4547
Hunter-Lab	94.2410, -28.9222, 20.8279

Details

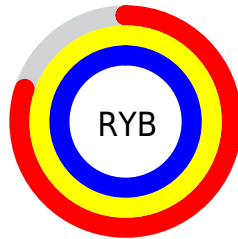
The XYZ color **71.8024, 88.8136, 71.7509** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.5627, 71.5381, 102.4899**, and the grayscale version is **78.4411, 82.5261, 89.8709**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2560, 49.0447, 37.1560** is the 20% darker color. If you saturate the color by 10%, you get **62.6275, 84.4013, 56.9772**, and if you desaturate by 10%, it is **82.5868, 94.0020, 89.0243**.

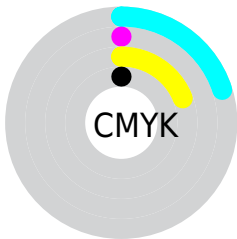
Distribution



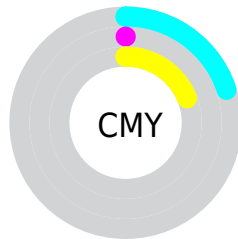
- Red (80%)
- Green (100%)
- Blue (81%)



- Red (80%)
- Yellow (99%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8024, 88.8136, 71.7509 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 71.8024, 88.8136, 71.7509 by changing the saturation by 10% instead.

71.8024, 88.8136,
71.7509

71.8024, 88.8136,
71.7509

456.0218,
524.1639, 485.6283

53.2822, 66.9971,
52.4696

120.7879,
145.6893, 123.4067

38.2564, 49.0822,
36.9947

151.9838,
181.5173, 156.6184

26.3599, 34.6847,
24.9076

188.1357,
222.7846, 195.3105

17.2272, 23.4201,
15.7899

229.6089,
269.8755, 239.9018

10.4929, 14.9040,
9.2228

276.7688,
323.1746, 290.8106

5.7917, 8.7521,
4.7880

329.9806,

2.7583, 4.5798,

383.0660, 348.4557

2.0669

389.6099,
449.9344, 413.2554

■ 1.0273, 2.0029,
0.5959

■ 0.0000, 0.6092,
0.0000

■ 71.8024, 88.8136,
71.7509

■ 71.8024, 88.8136,
71.7509

■ 62.6275, 84.4013,
56.9772

■ 82.5868, 94.0020,
89.0243

■ 54.9832, 80.7269,
44.5836

95.0500, 100.0000,
108.9000

■ 48.7867, 77.7504,
34.4469

■ 43.9466, 75.4277,
26.4313

■ 40.3614, 73.7095,
20.3862

■ 37.9149, 72.5397,
16.1416

■ 36.4695, 71.8515,
13.4985

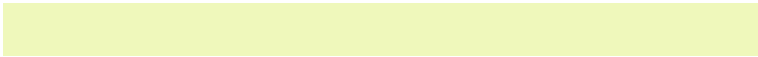
■ 35.8148, 71.5419,
12.2087

■ 35.8148, 71.5419,
12.2086

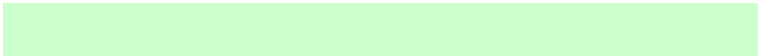
Harmonies

Analogous

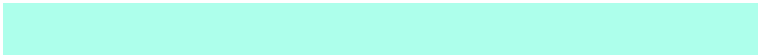
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8708, 88.8136, 59.8823



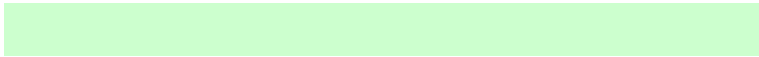
71.8024, 88.8136, 71.7509



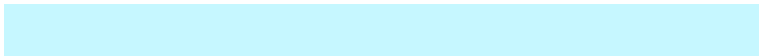
69.1301, 88.8136, 92.0322

Triad

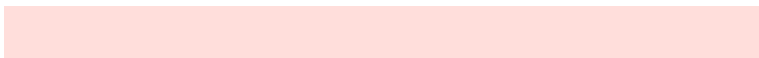
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8024, 88.8136, 71.7509



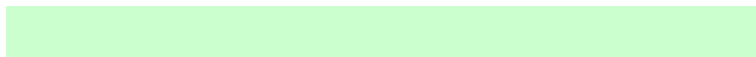
82.7676, 88.8136, 151.3489



100.2716, 88.8136, 78.7042

Complementary

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



71.8024, 88.8136, 71.7509



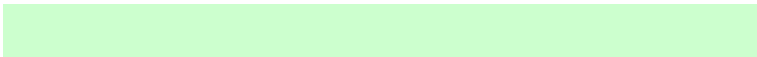
80.5627, 71.5381, 102.4899

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.



101.8008, 88.8136, 101.5291



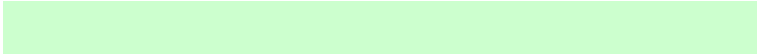
71.8024, 88.8136, 71.7509



91.3152, 88.8136, 146.1719

Square

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



71.8024, 88.8136, 71.7509



75.1812, 88.8136, 140.0071



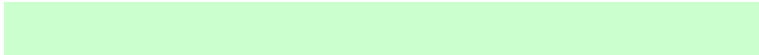
98.4236, 88.8136, 126.8576



94.3747, 88.8136, 63.3985

Rectangle

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



71.8024, 88.8136, 71.7509



69.4955, 88.8136, 108.6832



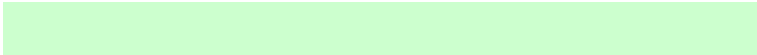
98.4236, 88.8136, 126.8576



101.3294, 88.8136, 85.6370

Sweetspot

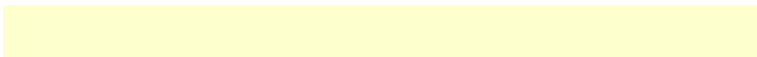
The Sweet Spot groups the original color and five complimentary colors.



71.8030, 88.8139, 71.7523



87.3662, 96.3019, 96.6556



87.2766, 96.8187, 71.2155



18.5289, 20.5303, 20.4154



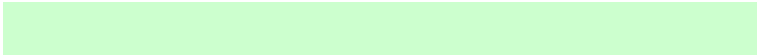
0.0000, 0.0000, 0.0000



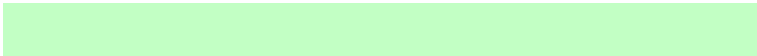
20.3446, 21.4041, 23.3091

Same Dimension

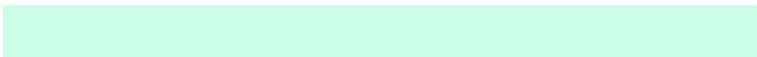
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8030, 88.8139, 71.7523



67.9436, 86.9576, 65.5481



75.1144, 90.1384, 89.1894



17.8004, 20.1797, 19.2521



18.7265, 37.3872, 6.4449



1.8330, 3.6441, 0.6786

Inverse Universe

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



80.5627, 71.5381, 102.4899



78.1531, 66.8209, 101.3724



76.8091, 70.0367, 82.7240



18.7601, 18.2873, 22.6196



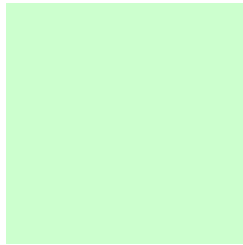
30.1740, 14.5589, 46.4280



2.9472, 1.4212, 4.5691

Previews

White Background



This preview shows how the XYZ color 71.8024, 88.8136, 71.7509 looks on a white background.

Color Contrast Check

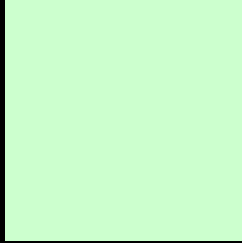
Large Text (above 18pt) WCAG AA × Fail

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 71.8024, 88.8136, 71.7509 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

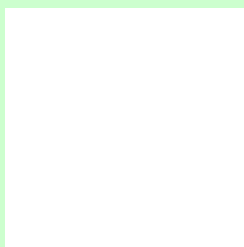
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8024, 88.8136, 71.7509

Background



This preview shows how black text looks on a background with the XYZ color 71.8024, 88.8136, 71.7509.



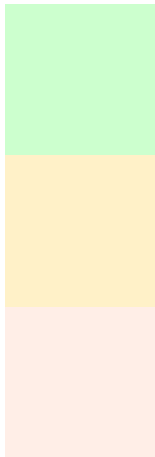
This preview shows how white text looks on a background with the XYZ color 71.8024, 88.8136,

71.7509.

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

71.8024, 88.8136, 71.7509

Protanopia

83.1206, 88.3407, 67.3141

Deuteranopia

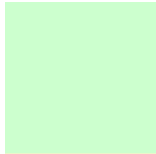
86.2383, 88.1786, 88.0762



Tritanopia

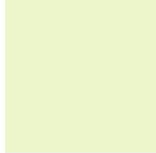
82.3956, 88.4153, 107.3309

Trichromacy



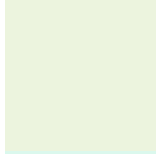
Original Color

71.8024, 88.8136, 71.7509



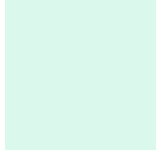
Protanomaly

78.2085, 88.0087, 68.7425



Deuteranomaly

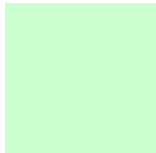
80.1276, 87.8082, 81.8327



Tritanomaly

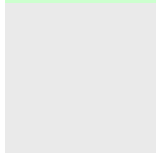
78.0669, 88.3093, 93.0516

Monochromacy



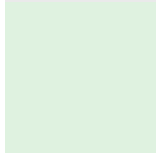
Original Color

71.8024, 88.8136, 71.7509



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.6381, 84.5741, 82.8589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8024, 88.8136, 71.7509 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(204, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 206)  
}
```

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(204, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 71.8024, 88.8136, 71.7509 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(204, 255, 206) }
```


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

```
.border{ border-color:rgb(204, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8024, 88.8136, 71.7509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 206) }
```

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

```
.background{ background-color: rgb(204,  
255, 206) }
```

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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