

Converting Colors

XYZ(76.6557, 100.0000,
69.6128)

Have a look what the booklet for
XYZ(76.6557, 100.0000, 69.6128)
contains.

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Color

**XYZ(70.8139, 88.3866,
67.9716)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFFC8
RGB	203, 255, 200
RGB Percent	80%, 100%, 78%
CMY	0.2039, 0.0000, 0.2157
CMYK	0.20, 0.00, 0.22, 0.00
HSL	117°, 100%, 89%
HSV	117°, 22%, 100%
XYZ	70.8139, 88.3866, 67.9716
YIQ	233.1820, -13.3370, -28.1290

Conversions

Conversions Part 2

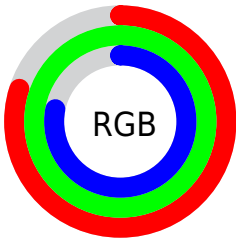
Format	Color
R _Y B	200, 255, 252
Decimal	13369288
CIE Lab	95.32, -26.57, 21.01
CIE LCh	95, 33.868, 141.665
Yxy	88.3866, 0.3117, 0.3891
Android (android.graphics.Color)	4291559368 (0xFFCBFFC8)
YUV	233.1820, -16.3587, -26.4696
Hunter-Lab	94.0141, -30.0739, 22.9436

Details

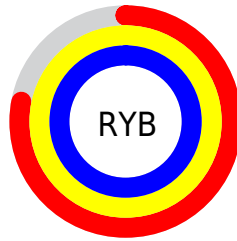
The XYZ color **70.8139, 88.3866, 67.9716** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.8500, 69.2252, 103.8137**, and the grayscale version is **77.7153, 81.7625, 89.0394**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5951, 48.7594, 34.6242** is the 20% darker color. If you saturate the color by 10%, you get **62.0144, 84.1664, 53.2788**, and if you desaturate by 10%, it is **81.1327, 93.3326, 85.3327**.

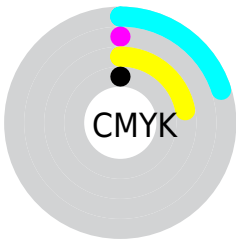
Distribution



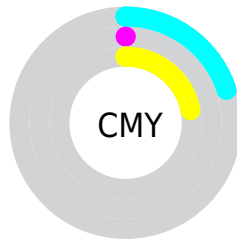
- Red (80%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (99%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8139, 88.3866, 67.9716 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 70.8139, 88.3866, 67.9716 by changing the saturation by 10% instead.

70.8139, 88.3866,
67.9716

70.8139, 88.3866,
67.9716

452.6246,
522.7684, 471.9907

52.4723, 66.6433,
49.4081

119.3887,
145.0953, 117.9653

37.6075, 48.7948,
34.5754

150.3526,
180.8294, 150.2327

25.8540, 34.4567,
23.0551

186.2546,
221.9959, 187.9050

16.8466, 23.2447,
14.4285

227.4602,
268.9793, 231.4009

10.2198, 14.7743,
8.2771

274.3346,
322.1638, 281.1388

5.6083, 8.6611,
4.1825

327.2432,

2.6468, 4.5208,

381.9339, 337.5374

1.7260

386.5514,
448.6740, 401.0152

■ 0.9699, 1.9690,
0.3784

■ 0.0000, 0.5893,
0.0000

■ 70.8139, 88.3866,
67.9716

■ 70.8139, 88.3866,
67.9716

■ 62.0144, 84.1664,
53.2788

■ 81.1327, 93.3326,
85.3327

■ 54.6608, 80.6370,
41.1183

■ 93.0360, 99.0353,
105.4808

■ 48.6762, 77.7619,
31.3482

■ 95.0500, 100.0000,
108.9000

■ 43.9757, 75.5007,
23.8111

■ 40.4654, 73.8087,
18.3309

■ 38.0382, 72.6352,
14.7047

■ 36.5675, 71.9201,
12.6888

■ 35.9396, 71.6126,
11.9284

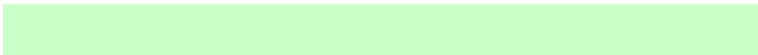
Harmonies

Analogous

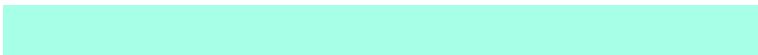
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6113, 88.3866, 56.2321



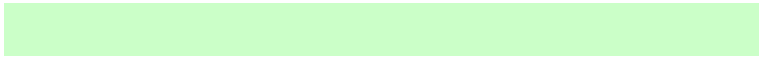
70.8139, 88.3866, 67.9716



67.6089, 88.3866, 89.0405

Triad

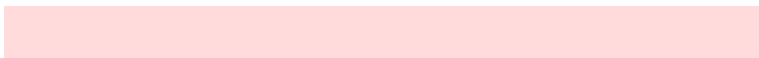
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8139, 88.3866, 67.9716



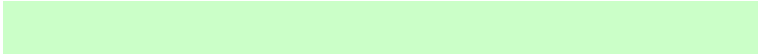
81.4566, 88.3866, 155.9569



101.6486, 88.3866, 78.6288

Complementary

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



70.8139, 88.3866, 67.9716



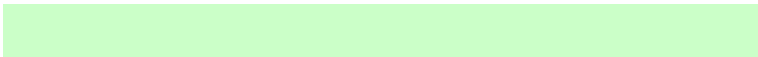
78.8500, 69.2252, 103.8137

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.



102.8670, 88.3866, 103.8132



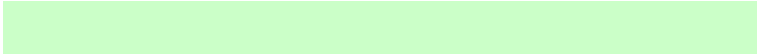
70.8139, 88.3866, 67.9716



90.7486, 88.3866, 151.7720

Square

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



70.8139, 88.3866, 67.9716



73.4515, 88.3866, 141.9849



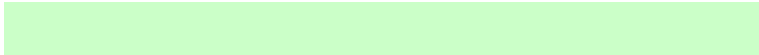
98.7487, 88.3866, 131.4210



95.5322, 88.3866, 61.5530

Rectangle

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



70.8139, 88.3866, 67.9716



67.7643, 88.3866, 106.9104



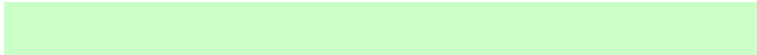
98.7487, 88.3866, 131.4210



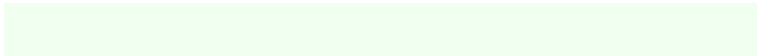
102.6617, 88.3866, 86.3005

Sweetspot

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



70.8145, 88.3869, 67.9730



87.5605, 96.4124, 96.1991



86.2670, 94.6331, 68.3642



18.5746, 20.5562, 20.3080



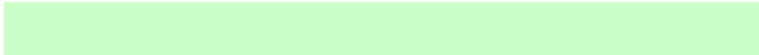
0.0000, 0.0000, 0.0000



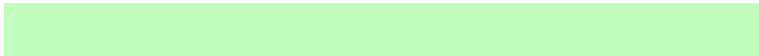
20.3446, 21.4041, 23.3091

Same Dimension

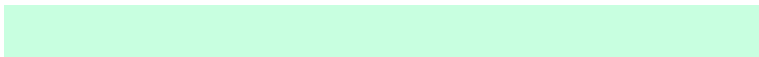
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8145, 88.3869, 67.9730



66.7309, 86.4288, 61.1389



73.0121, 89.1725, 83.7673



17.8632, 20.2154, 19.1048



18.8159, 37.4381, 6.2346



1.8628, 3.6611, 0.6085

Inverse Universe

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



78.8500, 69.2252, 103.8137



76.1055, 64.0670, 102.9627



76.3423, 68.3486, 84.8944



18.6890, 18.2469, 22.7869



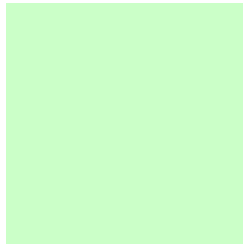
28.4456, 13.5747, 50.5555



2.7984, 1.3365, 4.9238

Previews

White Background



This preview shows how the XYZ color 70.8139, 88.3866, 67.9716 looks on a white background.

Color Contrast Check

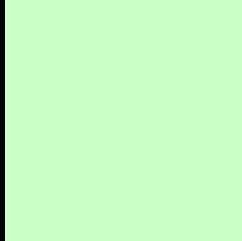
Large Text (above 18pt) WCAG AA × Fail

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 70.8139, 88.3866, 67.9716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

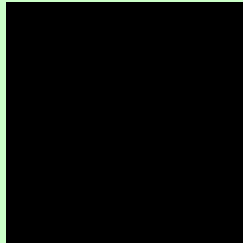
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

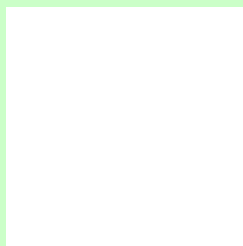
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8139, 88.3866, 67.9716

Background



This preview shows how black text looks on a background with the XYZ color 70.8139, 88.3866, 67.9716.



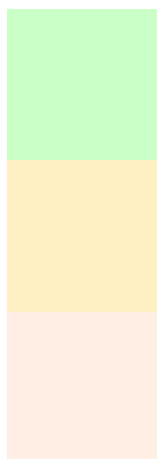
This preview shows how white text looks on a background with the XYZ color 70.8139, 88.3866,

67.9716.

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

70.8139, 88.3866, 67.9716

Protanopia

82.3639, 87.5657, 64.7854

Deuteranopia

85.8181, 88.0105, 85.8634



Tritanopia

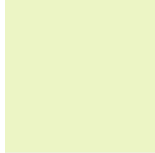
82.0792, 88.2523, 107.3161

Trichromacy



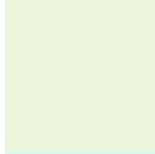
Original Color

70.8139, 88.3866, 67.9716



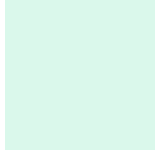
Protanomaly

77.3225, 87.1689, 65.5733



Deuteranomaly

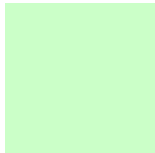
79.5976, 87.5962, 79.0422



Tritanomaly

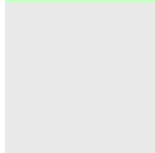
77.4762, 88.0384, 91.5069

Monochromacy



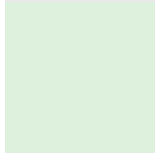
Original Color

70.8139, 88.3866, 67.9716



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6306, 83.6606, 80.6213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8139, 88.3866, 67.9716 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(203, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 200)  
}
```

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(203, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 70.8139, 88.3866, 67.9716 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(203, 255, 200) }
```


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

```
.border{ border-color:rgb(203, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8139, 88.3866, 67.9716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 200) }
```

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

```
.background{ background-color: rgb(203,  
255, 200) }
```

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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