

Converting Colors

XYZ(84.7406, 115.9293,
75.5662)

Have a look what the booklet for
XYZ(84.7406, 115.9293, 75.5662)
contains.

XYZ(70.8668, 88.3453, 71.0749)	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(70.8668, 88.3453,
71.0749)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFCD
RGB	201, 255, 205
RGB Percent	79%, 100%, 80%
CMY	0.2118, 0.0000, 0.1961
CMYK	0.21, 0.00, 0.20, 0.00
HSL	124°, 100%, 89%
HSV	124°, 21%, 100%
XYZ	70.8668, 88.3453, 71.0749
YIQ	233.1540, -16.1340, -26.9980

Conversions

Conversions Part 2

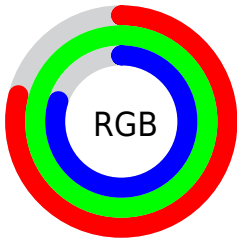
Format	Color
RYB	201, 251, 255
Decimal	13238221
CIELab	95.31, -26.38, 18.41
CIElCh	95, 32.170, 145.082
Yxy	88.3453, 0.3077, 0.3836
Android (android.graphics.Color)	4291428301 (0xFFC9FFCD)
YUV	233.1540, -13.8799, -28.1991
Hunter-Lab	93.9922, -29.9036, 20.9607

Details

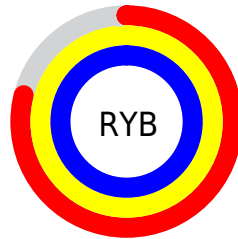
The XYZ color **70.8668, 88.3453, 71.0749** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.5394, 69.9988, 100.5849**, and the grayscale version is **77.6776, 81.7228, 88.9962**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6341, 48.7335, 36.7011** is the 20% darker color. If you saturate the color by 10%, you get **61.9326, 84.0444, 56.8850**, and if you desaturate by 10%, it is **81.3703, 93.4054, 87.5860**.

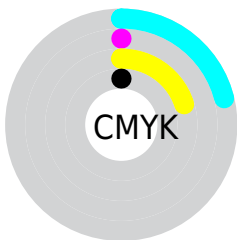
Distribution



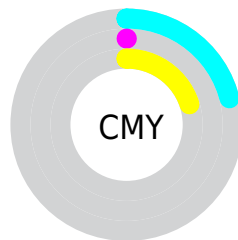
- Red (79%)
- Green (100%)
- Blue (80%)



- Red (79%)
- Yellow (98%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8668, 88.3453, 71.0749 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 70.8668, 88.3453, 71.0749 by changing the saturation by 10% instead.


 70.8668, 88.3453,
71.0749

 70.8668, 88.3453,
71.0749


452.8068,
522.6334, 483.2059

 52.5156, 66.6091,
51.9211

119.4636,
145.0378, 122.4358

 37.6422, 48.7670,
36.5604


150.4399,
180.7628, 155.4800

 25.8810, 34.4347,
24.5742


186.3554,
221.9196, 193.9915

 16.8669, 23.2277,
15.5440

227.5753,
268.8925, 238.3887

 10.2343, 14.7618,
9.0512

274.4651,
322.0660, 289.0902

 5.6181, 8.6524,
4.6773

327.3900,

 2.6527, 4.5151,

381.8243, 346.5145

2.0038

386.7154,
448.5520, 411.0803

■ 0.9729, 1.9657,
0.5576

■ 0.0000, 0.5874,
0.0000

■ 70.8668, 88.3453,
71.0749

■ 70.8668, 88.3453,
71.0749

■ 61.9326, 84.0444,
56.8850

■ 81.3703, 93.4054,
87.5860

■ 54.4906, 80.4652,
44.9084

■ 93.5114, 99.2581,
106.5113

■ 48.4598, 77.5685,
35.0347

95.0500, 100.0000,
108.9000

■ 43.7508, 75.3107,
27.1427

■ 40.2640, 73.6434,
21.0984

■ 37.8857, 72.5111,
16.7516

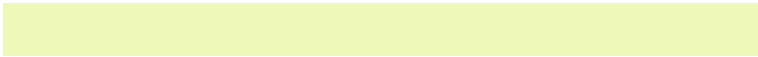
■ 36.4804, 71.8477,
13.9286

■ 35.8766, 71.5667,
12.5342

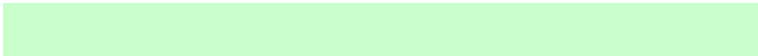
Harmonies

Analogous

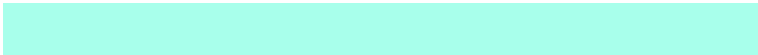
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0107, 88.3453, 58.6949



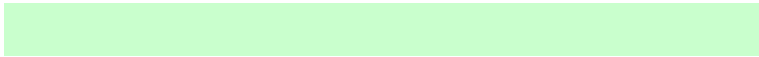
70.8668, 88.3453, 71.0749



68.2398, 88.3453, 92.1051

Triad

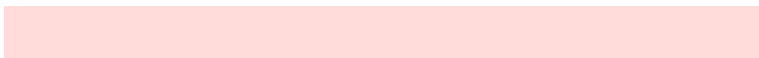
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8668, 88.3453, 71.0749



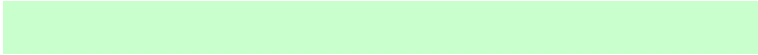
82.5298, 88.3453, 152.8878



100.2158, 88.3453, 77.1088

Complementary

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



70.8668, 88.3453, 71.0749



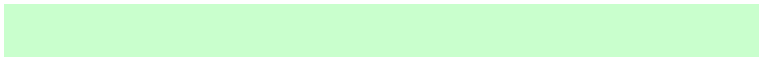
79.5394, 69.9988, 100.5849

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.



101.9479, 88.3453, 100.4001



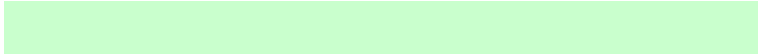
70.8668, 88.3453, 71.0749



91.3355, 88.3453, 146.9951

Square

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



70.8668, 88.3453, 71.0749



74.6673, 88.3453, 141.5614



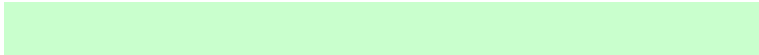
98.5953, 88.3453, 126.6250



94.0140, 88.3453, 61.7292

Rectangle

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



70.8668, 88.3453, 71.0749



68.6933, 88.3453, 109.3373



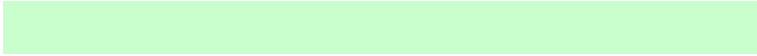
98.5953, 88.3453, 126.6250



101.3576, 88.3453, 84.1468

Sweetspot

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



70.8674, 88.3456, 71.0763



87.4457, 96.3337, 97.0742



86.2307, 96.3207, 69.3060



18.5476, 20.5378, 20.5139



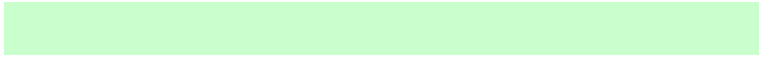
0.0000, 0.0000, 0.0000



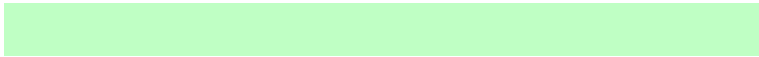
20.3446, 21.4041, 23.3091

Same Dimension

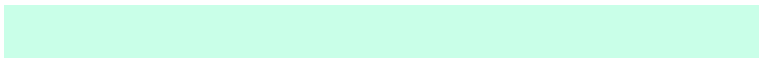
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8674, 88.3456, 71.0763



67.2696, 86.6131, 65.3813



74.3565, 89.7412, 89.4495



17.8262, 20.1900, 19.3876



18.7658, 37.4029, 6.6520



1.8452, 3.6490, 0.7427

Inverse Universe

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



79.5394, 69.9988, 100.5849



77.2241, 65.5502, 99.2523



75.6359, 68.4374, 80.0295



18.7312, 18.2758, 22.4674



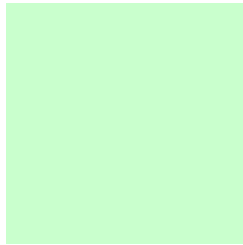
29.4925, 14.2863, 42.8396



2.8882, 1.3977, 4.2588

Previews

White Background



This preview shows how the XYZ color 70.8668, 88.3453, 71.0749 looks on a white background.

Color Contrast Check

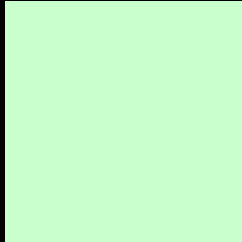
Large Text (above 18pt) WCAG AA × Fail

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 70.8668, 88.3453, 71.0749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

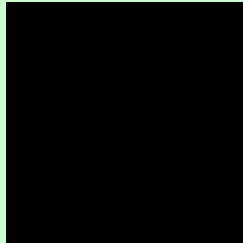
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

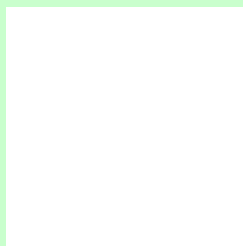
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.8668, 88.3453, 71.0749

Background



This preview shows how black text looks on a background with the XYZ color 70.8668, 88.3453, 71.0749.



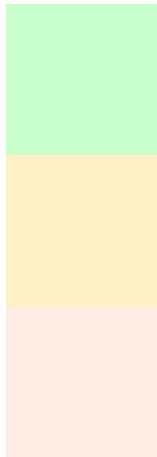
This preview shows how white text looks on a background with the XYZ color 70.8668, 88.3453,

71.0749.

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

70.8668, 88.3453, 71.0749

Protanopia

82.5931, 87.6574, 65.9925

Deuteranopia

85.6670, 87.4855, 86.5000



Tritanopia

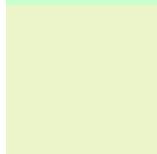
81.7647, 88.0901, 107.3014

Trichromacy



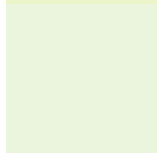
Original Color

70.8668, 88.3453, 71.0749



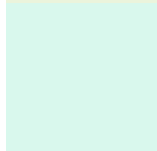
Protanomaly

77.4560, 87.1840, 68.0042



Deuteranomaly

79.5299, 87.5308, 80.4136



Tritanomaly

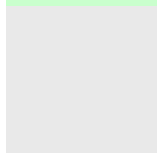
77.4687, 88.0009, 93.0236

Monochromacy



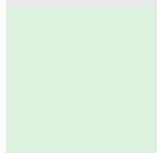
Original Color

70.8668, 88.3453, 71.0749



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.5934, 83.6105, 82.0190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8668, 88.3453, 71.0749 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(201, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 205)  
}
```

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(201, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 70.8668, 88.3453, 71.0749 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(201, 255, 205) }
```


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

```
.border{ border-color:rgb(201, 255, 205) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8668, 88.3453, 71.0749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 205) }
```

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

```
.background{ background-color: rgb(201,  
255, 205) }
```

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