

Converting Colors

XYZ(70.2994, 88.0535, 71.0131)

Have a look what the booklet for
XYZ(70.2994, 88.0535, 71.0131)
contains.

XYZ(70.3326, 88.0699, 71.0499)	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(70.3326, 88.0699,
71.0499)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFCD
RGB	199, 255, 205
RGB Percent	78%, 100%, 80%
CMY	0.2196, 0.0000, 0.1961
CMYK	0.22, 0.00, 0.20, 0.00
HSL	126°, 100%, 89%
HSV	126°, 22%, 100%
XYZ	70.3326, 88.0699, 71.0499
YIQ	232.5560, -17.3260, -27.4220

Conversions

Conversions Part 2

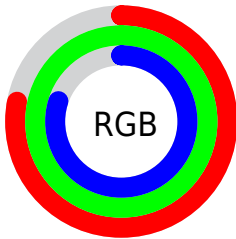
Format	Color
RYB	199, 250, 255
Decimal	13107149
CIELab	95.19, -27.02, 18.23
CIELCh	95, 32.599, 145.987
Yxy	88.0699, 0.3065, 0.3838
Android (android.graphics.Color)	4291297229 (0xFFC7FFCD)
YUV	232.5560, -13.5851, -29.4286
Hunter-Lab	93.8456, -30.4528, 20.8038

Details

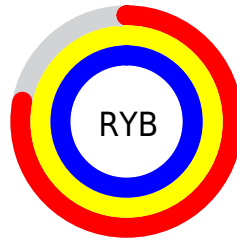
The XYZ color **70.3326, 88.0699, 71.0499** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.7625, 68.9469, 98.7786**, and the grayscale version is **77.2261, 81.2478, 88.4789**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2816, 48.5518, 36.6846** is the 20% darker color. If you saturate the color by 10%, you get **61.5724, 83.8486, 57.3225**, and if you desaturate by 10%, it is **80.6277, 93.0362, 86.9394**.

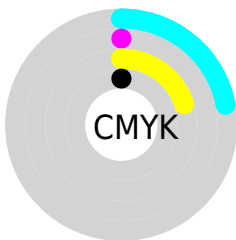
Distribution



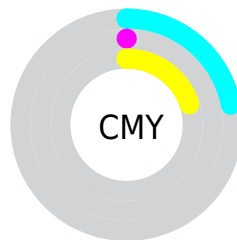
- Red (78%)
- Green (100%)
- Blue (80%)



- Red (78%)
- Yellow (98%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3326, 88.0699, 71.0499 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 70.3326, 88.0699, 71.0499 by changing the saturation by 10% instead.


 70.3326, 88.0699,
71.0499

 70.3326, 88.0699,
71.0499


450.9652,
521.7321, 483.1162

 52.0783, 66.3810,
51.9008


118.7066,
144.6545, 122.3999

 37.2920, 48.5817,
36.5443


149.5571,
180.3189, 155.4379

 25.6084, 34.2878,
24.5619


185.3369,
221.4106, 193.9426

 16.6620, 23.1148,
15.5349

226.4116,
268.3140, 238.3327

 10.0876, 14.6783,
9.0449

273.1464,
321.4134, 289.0265

 5.5198, 8.5939,
4.6732

325.9067,

 2.5932, 4.4773,

381.0933, 346.4427

2.0015

385.0578,
447.7381, 410.9997

■ 0.9425, 1.9440,
0.5562

■ 0.0000, 0.5746,
0.0000

■ 70.3326, 88.0699,
71.0499

■ 70.3326, 88.0699,
71.0499

■ 61.5724, 83.8486,
57.3225

■ 80.6277, 93.0362,
86.9394

■ 54.2716, 80.3355,
45.6598

■ 92.5244, 98.7801,
105.0744

■ 48.3511, 77.4918,
35.9633

95.0500, 100.0000,
108.9000

■ 43.7233, 75.2748,
28.1245

■ 40.2909, 73.6368,
22.0247

■ 37.9423, 72.5231,
17.5313

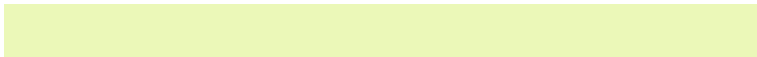
■ 36.5447, 71.8684,
14.4926

■ 35.9616, 71.6007,
12.9817

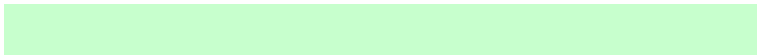
Harmonies

Analogous

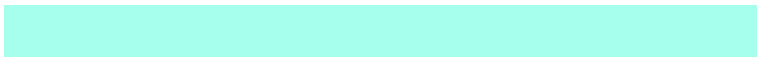
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4443, 88.0699, 58.3000



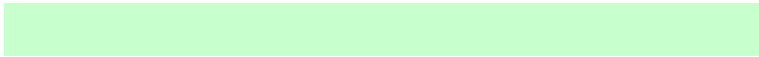
70.3326, 88.0699, 71.0499



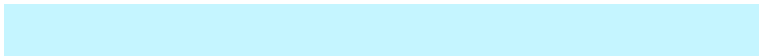
67.7989, 88.0699, 92.5106

Triad

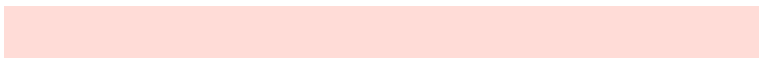
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3326, 88.0699, 71.0499



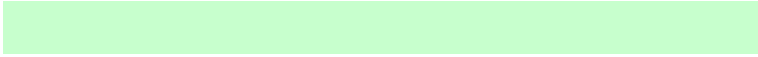
82.5182, 88.0699, 153.4366



100.0194, 88.0699, 76.0160

Complementary

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



70.3326, 88.0699, 71.0499



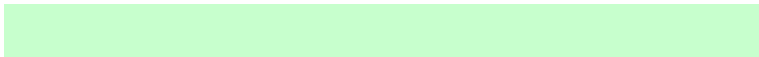
78.7625, 68.9469, 98.7786

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.



101.9289, 88.0699, 99.3571



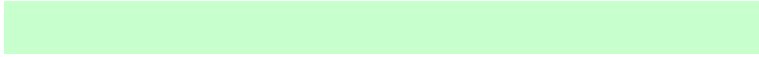
70.3326, 88.0699, 71.0499



91.4174, 88.0699, 146.9285

Square

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



70.3326, 88.0699, 71.0499



74.5122, 88.0699, 142.4258



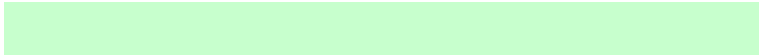
98.6795, 88.0699, 125.9419



93.6305, 88.0699, 60.7913

Rectangle

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



70.3326, 88.0699, 71.0499



68.3380, 88.0699, 110.0073



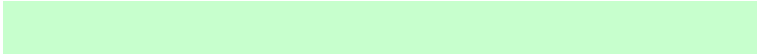
98.6795, 88.0699, 125.9419



101.2249, 88.0699, 83.0411

Sweetspot

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



70.3332, 88.0702, 71.0513



86.3244, 95.7861, 95.6488



85.2787, 95.8569, 68.0412



18.3240, 20.4283, 20.2395



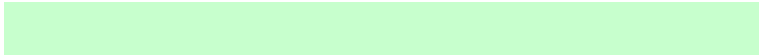
0.0000, 0.0000, 0.0000



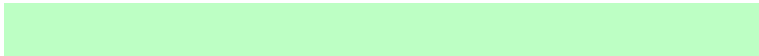
20.3446, 21.4041, 23.3091

Same Dimension

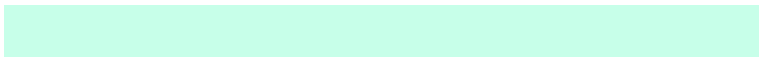
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3332, 88.0702, 71.0513



66.6135, 86.2771, 65.2504



73.9645, 89.5227, 90.1732



17.8507, 20.1998, 19.5166



18.8161, 37.4230, 6.9168



1.8568, 3.6536, 0.8035

Inverse Universe

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



78.7625, 68.9469, 98.7786



76.3001, 64.2971, 97.1108



74.7683, 67.3493, 77.7459



18.7039, 18.2649, 22.3236



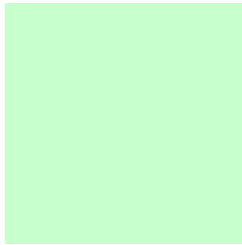
28.8762, 14.0398, 39.5939



2.8346, 1.3762, 3.9765

Previews

White Background



This preview shows how the XYZ color 70.3326, 88.0699, 71.0499 looks on a white background.

Color Contrast Check

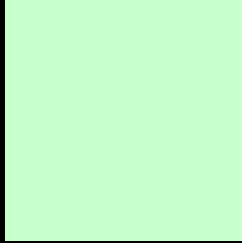
Large Text (above 18pt) WCAG AA × Fail

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 70.3326, 88.0699, 71.0499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

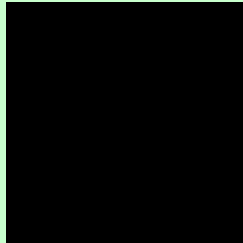
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3326, 88.0699, 71.0499

Background



This preview shows how black text looks on a background with the XYZ color 70.3326, 88.0699, 71.0499.



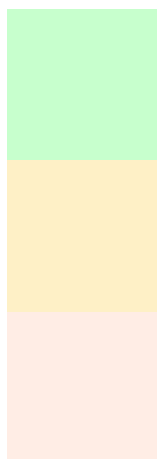
This preview shows how white text looks on a background with the XYZ color 70.3326, 88.0699,

71.0499.

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

70.3326, 88.0699, 71.0499

Protanopia

82.2262, 87.4682, 65.9754

Deuteranopia

85.6670, 87.4855, 86.5000



Tritanopia

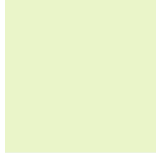
81.1412, 87.7687, 107.2722

Trichromacy



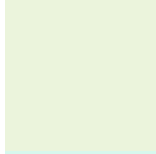
Original Color

70.3326, 88.0699, 71.0499



Protanomaly

77.1267, 87.0143, 67.9888



Deuteranomaly

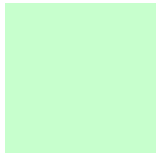
79.5299, 87.5308, 80.4136



Tritanomaly

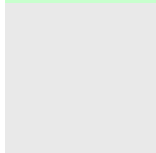
76.8778, 87.6963, 92.9960

Monochromacy



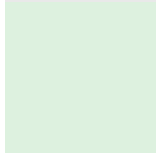
Original Color

70.3326, 88.0699, 71.0499



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 70.3326, 88.0699, 71.0499 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(199, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 70.3326, 88.0699, 71.0499 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(199, 255, 205) }
```


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

```
.border{ border-color:rgb(199, 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(199, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3326, 88.0699, 71.0499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 205) }
```

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

```
.background{ background-color: rgb(199,  
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