

# Converting Colors

XYZ(94.8365, 135.8079,  
83.0814)

Have a look what the booklet for  
XYZ(94.8365, 135.8079, 83.0814)  
contains.

<b>XYZ(71.0711, 88.3653, 74.9384)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(71.0711, 88.3653,  
74.9384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FFD3
RGB	199, 255, 211
RGB Percent	78%, 100%, 83%
CMY	0.2196, 0.0000, 0.1725
CMYK	0.22, 0.00, 0.17, 0.00
HSL	133°, 100%, 89%
HSV	133°, 22%, 100%
XYZ	71.0711, 88.3653, 74.9384
YIQ	233.2400, -19.2520, -25.5560

# Conversions

## Conversions Part 2

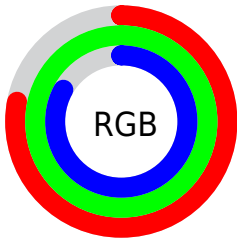
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 245, 255
Decimal	13107155
CIELab	95.31, -25.98, 15.34
CIELCh	95, 30.170, 149.439
Yxy	88.3653, 0.3032, 0.3770
Android (android.graphics.Color)	4291297235 (0xFFC7FFD3)
YUV	233.2400, -10.9643, -30.0285
Hunter-Lab	94.0028, -29.5495, 18.5364

# Details

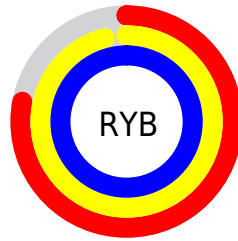
The XYZ color **71.0711, 88.3653, 74.9384** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.8414, 68.5787, 93.9280**, and the grayscale version is **77.7229, 81.7705, 89.0481**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6964, 48.7178, 38.8691** is the 20% darker color. If you saturate the color by 10%, you get **62.5051, 84.2217, 62.2331**, and if you desaturate by 10%, it is **81.0853, 93.2192, 89.3485**.

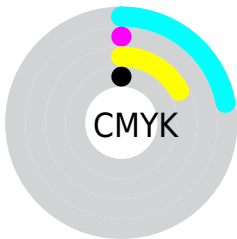
# Distribution



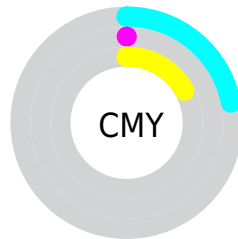
- Red (78%)
- Green (100%)
- Blue (83%)



- Red (78%)
- Yellow (96%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0711, 88.3653, 74.9384 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 71.0711, 88.3653, 74.9384 by changing the saturation by 10% instead.




 71.0711, 88.3653,  
74.9384

 71.0711, 88.3653,  
74.9384

453.5099,  
522.6988, 496.9556

 52.6830, 66.6256,  
55.0610


119.7529,  
145.0656, 127.9715

 37.7762, 48.7805,  
39.0516


150.7773,  
180.7951, 161.9642

 25.9855, 34.4454,  
26.4918


186.7445,  
221.9566, 201.4991

 16.9454, 23.2359,  
16.9628

228.0199,  
268.9345, 246.9948

 10.2906, 14.7678,  
10.0463

274.9687,  
322.1134, 298.8697

 5.6558, 8.6566,  
5.3237

327.9564,

 2.6756, 4.5179,

381.8774, 357.5425

2.3764

387.3484,  
448.6111, 423.4316

■ 0.9846, 1.9673,  
0.7735

■ 0.0000, 0.5884,  
0.0000

■ 71.0711, 88.3653,  
74.9384

■ 71.0711, 88.3653,  
74.9384

■ 62.5051, 84.2217,  
62.2331

■ 81.0853, 93.2192,  
89.3485

■ 55.3172, 80.7537,  
51.1653

■ 92.6090, 98.8139,  
105.5190

■ 49.4347, 77.9253,  
41.6695

■ 95.0500, 100.0000,  
108.9000

■ 44.7772, 75.6964,  
33.6741

■ 41.2551, 74.0225,  
27.1019

■ 38.7661, 72.8526,  
21.8689

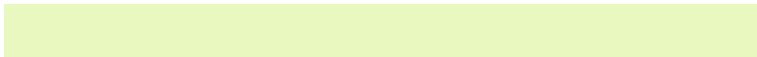
■ 37.1883, 72.1258,  
17.8817

■ 36.4411, 71.7925,  
15.5068

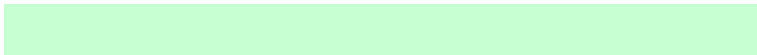
# Harmonies

## Analogous

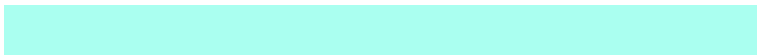
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4396, 88.3653, 61.8614



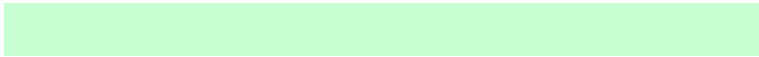
71.0711, 88.3653, 74.9384



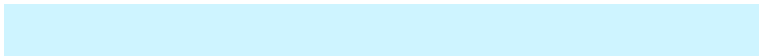
69.1209, 88.3653, 95.7711

# Triad

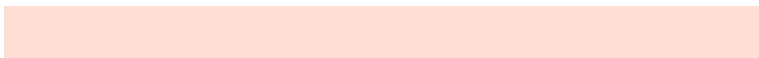
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.0711, 88.3653, 74.9384



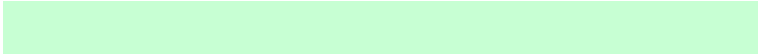
83.8335, 88.3653, 149.0939



98.5559, 88.3653, 75.5918

# Complementary

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



71.0711, 88.3653, 74.9384



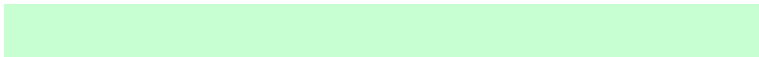
77.8414, 68.5787, 93.9280

# 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.



100.8486, 88.3653, 96.6598



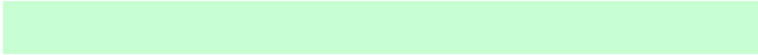
71.0711, 88.3653, 74.9384



92.0188, 88.3653, 141.3880

# Square

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



71.0711, 88.3653, 74.9384



76.1875, 88.3653, 140.8144



98.3834, 88.3653, 121.1794

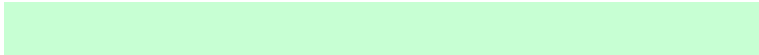


92.3047, 88.3653, 62.1930



# Rectangle

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



71.0711, 88.3653, 74.9384



69.9164, 88.3653, 112.1196



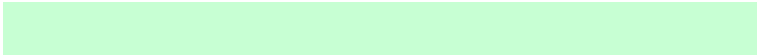
98.3834, 88.3653, 121.1794



99.8326, 88.3653, 81.8901

# Sweetspot

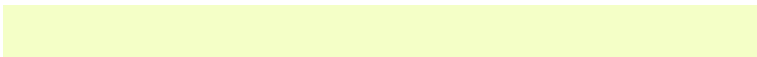
The Sweet Spot groups the original color and five complimentary colors.



71.0718, 88.3656, 74.9398



86.6086, 95.8998, 97.1454



83.3080, 94.8410, 67.9492



18.3896, 20.4546, 20.5850



0.0000, 0.0000, 0.0000

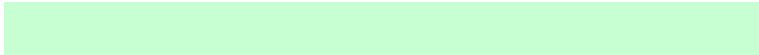


20.3446, 21.4041, 23.3091

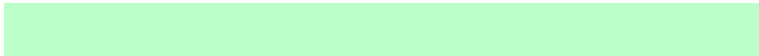


# Same Dimension

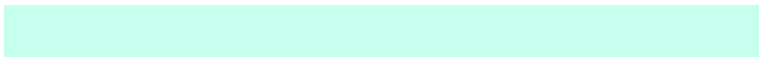
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0718, 88.3656, 74.9398



67.4405, 86.6079, 69.6050



74.7757, 89.8472, 94.4446



17.9308, 20.2319, 19.9388



19.0853, 37.5307, 8.3347



1.8963, 3.6695, 1.0119



# Inverse Universe

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



77.8414, 68.5787, 93.9280



75.2192, 63.8647, 91.4189



74.0328, 67.0552, 73.8721



18.6162, 18.2298, 21.8618



27.0752, 13.3194, 30.1101

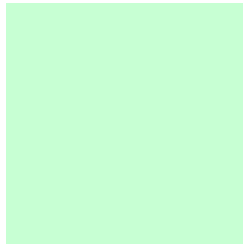


2.6758, 1.3127, 3.1400



# Previews

## White Background



This preview shows how the XYZ color 71.0711, 88.3653, 74.9384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

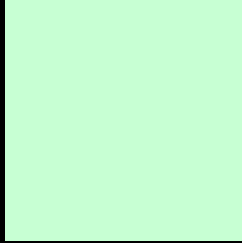
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0711, 88.3653, 74.9384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

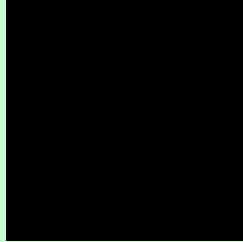
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

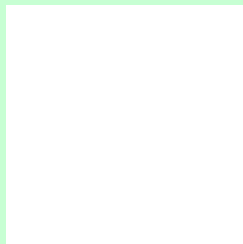
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.0711, 88.3653, 74.9384

## Background



This preview shows how black text looks on a background with the XYZ color 71.0711, 88.3653, 74.9384.



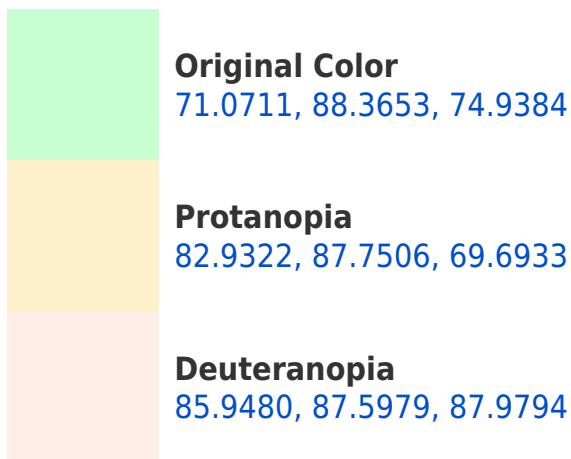
This preview shows how white text looks on a background with the XYZ color 71.0711, 88.3653,

74.9384.

# 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

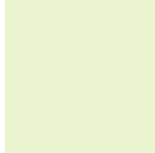
81.4520, 87.9289, 107.2867

# Trichromacy



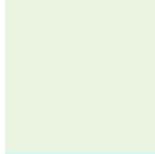
## Original Color

71.0711, 88.3653, 74.9384



## Protanomaly

77.8466, 87.3022, 71.7795



## Deuteranomaly

80.0662, 87.7454, 83.2376



## Tritanomaly

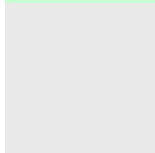
77.4663, 87.9657, 94.5575

# Monochromacy



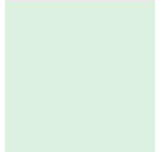
## Original Color

71.0711, 88.3653, 74.9384



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.8647, 83.7190, 83.4478

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0711, 88.3653, 74.9384 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0711, 88.3653, 74.9384 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, 211) }
```



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

```
.border{ border-color:rgb(199, 255, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0711, 88.3653, 74.9384 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, 211) }
```

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

```
.background{ background-color: rgb(199,  
255, 211) }
```

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