

# Converting Colors

XYZ(71.2738, 88.3614, 79.8433)

Have a look what the booklet for  
XYZ(71.2738, 88.3614, 79.8433)  
contains.

**XYZ(71.1798, 88.3177, 79.6251) ..... 3**  
***Conversions* ..... 4**  
***Details* ..... 6**  
***Harmonies* ..... 12**  
***Previews* ..... 24**  
***Color Blindness Simulation* ..... 28**  
***CSS Examples* ..... 31**

# Color

**XYZ(71.1798, 88.3177,  
79.6251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FFDA
RGB	196, 255, 218
RGB Percent	77%, 100%, 85%
CMY	0.2314, 0.0000, 0.1451
CMYK	0.23, 0.00, 0.15, 0.00
HSL	142°, 100%, 88%
HSV	142°, 23%, 100%
XYZ	71.1798, 88.3177, 79.6251
YIQ	233.1410, -23.2870, -24.0150

# Conversions

## Conversions Part 2

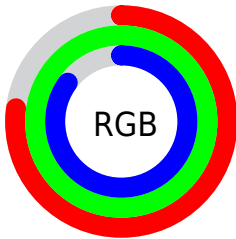
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 239, 255
Decimal	12910554
CIELab	95.29, -25.66, 11.70
CIELCh	95, 28.203, 155.493
Yxy	88.3177, 0.2977, 0.3693
Android (android.graphics.Color)	4291100634 (0xFFC4FFDA)
YUV	233.1410, -7.4645, -32.5727
Hunter-Lab	93.9775, -29.2624, 15.5491

# Details

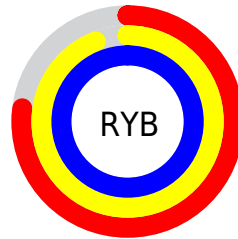
The XYZ color **71.1798, 88.3177, 79.6251** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.6883, 66.6238, 85.9611**, and the grayscale version is **77.6249, 81.6674, 88.9358**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **37.7894, 48.6952, 42.0577** is the 20% darker color. If you saturate the color by 10%, you get **63.1082, 84.3869, 68.8460**, and if you desaturate by 10%, it is **80.5821, 92.9111, 91.5232**.

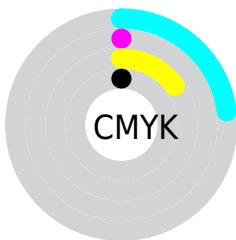
# Distribution



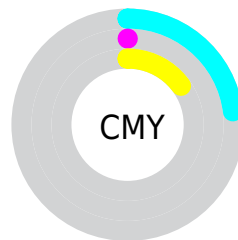
- Red (77%)
- Green (100%)
- Blue (85%)



- Red (77%)
- Yellow (94%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1798, 88.3177, 79.6251 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 71.1798, 88.3177, 79.6251 by changing the saturation by 10% instead.




 71.1798, 88.3177,  
79.6251

 71.1798, 88.3177,  
79.6251


453.8838,  
522.5431, 513.3419

 52.7720, 66.5862,  
58.8855


119.9068,  
144.9994, 134.6451

 37.8475, 48.7484,  
42.1016


150.9568,  
180.7184, 169.7627

 26.0411, 34.4200,  
28.8547


186.9515,  
221.8686, 210.5100

 16.9872, 23.2164,  
18.7263

228.2563,  
268.8346, 257.3057

 10.3206, 14.7534,  
11.2979

275.2366,  
322.0006, 310.5681

 5.6759, 8.6465,  
6.1509

328.2577,

 2.6878, 4.5113,

381.7511, 370.7160

2.8668

387.6850,  
448.4705, 438.1677

■ 0.9909, 1.9635,  
1.0270

■ 0.0000, 0.5861,  
0.0000

■ 71.1798, 88.3177,  
79.6251

■ 71.1798, 88.3177,  
79.6251

■ 63.1082, 84.3869,  
68.8460

■ 80.5821, 92.9111,  
91.5232

■ 56.3024, 81.0859,  
59.1491

■ 91.3712, 98.1956,  
104.5674

■ 50.6952, 78.3809,  
50.5015

■ 95.0500, 100.0000,  
108.9000

■ 46.2121, 76.2341,  
42.8672

■ 42.7698, 74.6034,  
36.2081

■ 40.2726, 73.4401,  
30.4831

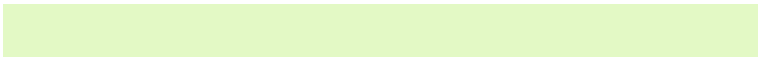
■ 38.6051, 72.6858,  
25.6482

■ 37.8296, 72.3478,  
22.8183

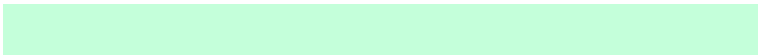
# Harmonies

## Analogous

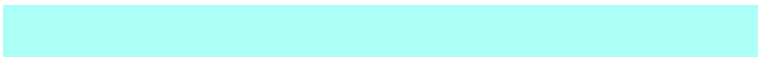
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6376, 88.3177, 65.6069



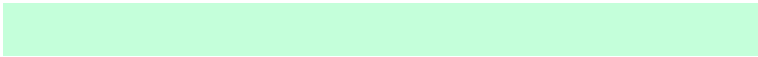
71.1798, 88.3177, 79.6251



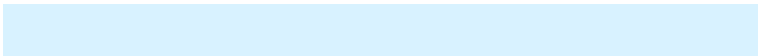
70.0518, 88.3177, 100.2787

# Triad

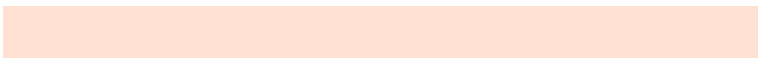
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.1798, 88.3177, 79.6251



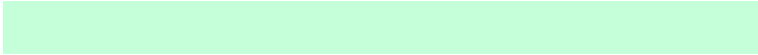
85.3684, 88.3177, 144.8450



96.5837, 88.3177, 73.5862

# Complementary

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



71.1798, 88.3177, 79.6251



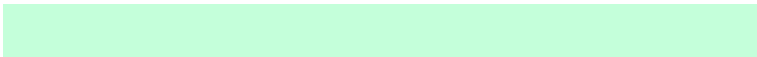
75.6883, 66.6238, 85.9611

# 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.



99.5597, 88.3177, 92.1614



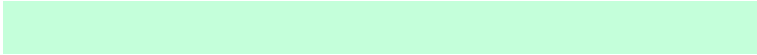
71.1798, 88.3177, 79.6251



92.8359, 88.3177, 134.9813

# Square

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



71.1798, 88.3177, 79.6251



77.9505, 88.3177, 140.1333



98.1481, 88.3177, 114.8455

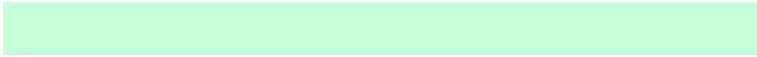


90.2357, 88.3177, 62.5117



# Rectangle

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



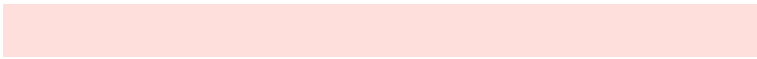
71.1798, 88.3177, 79.6251



71.2762, 88.3177, 115.5907



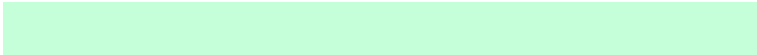
98.1481, 88.3177, 114.8455



98.0288, 88.3177, 79.0440

# Sweetspot

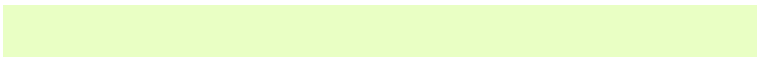
The Sweet Spot groups the original color and five complimentary colors.



71.1805, 88.3181, 79.6265



87.0349, 96.0702, 99.3899



79.4483, 92.8911, 65.9680



18.4882, 20.4940, 21.1038



0.0000, 0.0000, 0.0000

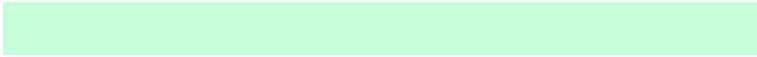


20.3446, 21.4041, 23.3091

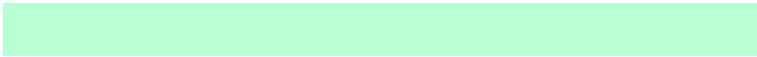


# Same Dimension

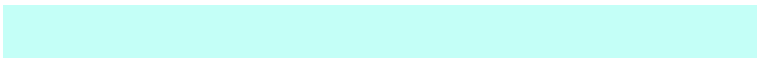
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.1805, 88.3181, 79.6265



67.0924, 86.3254, 74.2461



75.3345, 89.9796, 101.5010



18.0517, 20.2802, 20.5751



19.8329, 37.8297, 12.2712



1.9818, 3.7037, 1.4622



# Inverse Universe

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



75.6883, 66.6238, 85.9611



72.3533, 60.9973, 81.6324



71.8636, 65.0939, 65.8206



18.4886, 18.1787, 21.1899



24.9349, 12.4633, 18.8396

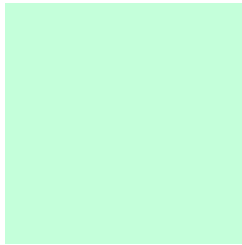


2.4808, 1.2347, 2.1131



# Previews

## White Background



This preview shows how the XYZ color 71.1798, 88.3177, 79.6251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

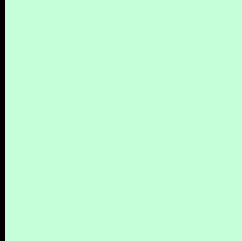
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1798, 88.3177, 79.6251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

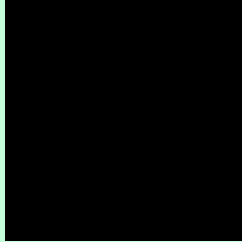
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

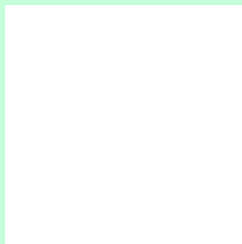
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 71.1798, 88.3177, 79.6251

## Background



This preview shows how black text looks on a background with the XYZ color 71.1798, 88.3177, 79.6251.



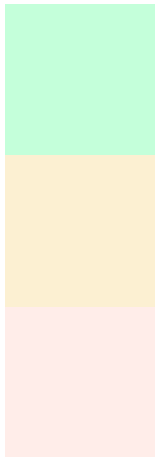
This preview shows how white text looks on a background with the XYZ color 71.1798, 88.3177,

79.6251.

# 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

71.1798, 88.3177, 79.6251

### Protanopia

82.9378, 87.6688, 73.5232

### Deuteranopia

86.2322, 87.7116, 89.4759



## Tritanopia

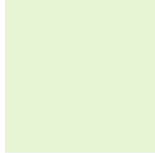
81.1412, 87.7687, 107.2722

# Trichromacy



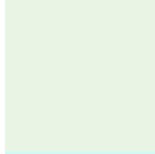
## Original Color

71.1798, 88.3177, 79.6251



## Protanomaly

77.9414, 87.2647, 75.6866



## Deuteranomaly

80.2860, 87.7952, 86.1134



## Tritanomaly

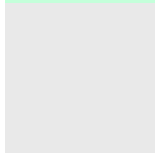
77.3260, 87.8417, 96.8840

# Monochromacy



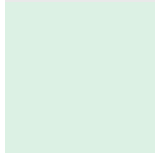
## Original Color

71.1798, 88.3177, 79.6251



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.9741, 83.7277, 85.6083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1798, 88.3177, 79.6251 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(196, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 218)  
}
```

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(196, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1798, 88.3177, 79.6251 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".

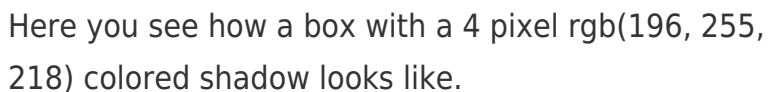
```
.border, #border, table{ border:4px solid rgb(196, 255, 218) }
```



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

```
.border{ border-color:rgb(196, 255, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 218); box-shadow:4px 4px 4px 4px rgb(196, 255, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1798, 88.3177, 79.6251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 218) }
```

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

```
.background{ background-color: rgb(196,  
255, 218) }
```

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