

# Converting Colors

XYZ(88.1505, 122.8603,  
84.0359)

Have a look what the booklet for  
XYZ(88.1505, 122.8603, 84.0359)  
contains.

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# Color

**XYZ(70.9196, 88.2136,  
78.2548)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | C4FFD8                       |
| RGB         | 196, 255, 216                |
| RGB Percent | 77%, 100%, 85%               |
| CMY         | 0.2314, 0.0000, 0.1529       |
| CMYK        | 0.23, 0.00, 0.15, 0.00       |
| HSL         | 140°, 100%, 88%              |
| HSV         | 140°, 23%, 100%              |
| XYZ         | 70.9196, 88.2136, 78.2548    |
| YIQ         | 232.9130, -22.6450, -24.6370 |

# Conversions

## Conversions Part 2

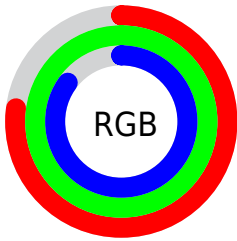
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 196, 240, 255                  |
| Decimal                             | 12910552                       |
| CIELab                              | 95.25, -26.03, 12.66           |
| CIELCh                              | 95, 28.944, 154.056            |
| Yxy                                 | 88.2136, 0.2987,<br>0.3716     |
| Android<br>(android.graphics.Color) | 4291100632<br>(0xFFC4FFD8)     |
| YUV                                 | 232.9130, -8.3381,<br>-32.3727 |
| Hunter-Lab                          | 93.9221, -29.5802,<br>16.3457  |

# Details

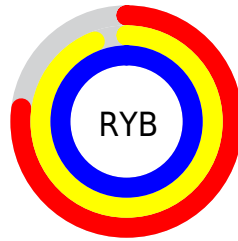
The XYZ color **70.9196, 88.2136, 78.2548** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.9757, 66.7388, 87.4746**, and the grayscale version is **77.4593, 81.4932, 88.7461**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **37.6116, 48.6241, 41.1213** is the 20% darker color. If you saturate the color by 10%, you get **62.7721, 84.2524, 67.0759**, and if you desaturate by 10%, it is **80.4195, 92.8461, 90.6667**.

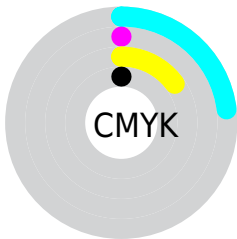
# Distribution



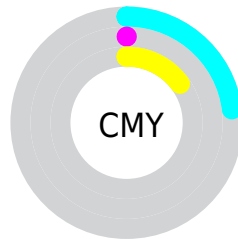
- Red (77%)
- Green (100%)
- Blue (85%)



- 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 70.9196, 88.2136, 78.2548 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 70.9196, 88.2136, 78.2548 by changing the saturation by 10% instead.




 70.9196, 88.2136,  
78.2548

 70.9196, 88.2136,  
78.2548


452.9885,  
522.2025, 508.5826

 52.5589, 66.5000,  
57.7656


119.5384,  
144.8545, 132.6984

 37.6768, 48.6784,  
41.2068


150.5271,  
180.5506, 167.4899

 25.9080, 34.3644,  
28.1598


186.4560,  
221.6762, 207.8859

 16.8872, 23.1737,  
18.2061

227.6902,  
268.6159, 254.3049

 10.2489, 14.7218,  
10.9271

274.5953,  
321.7540, 307.1656

 5.6278, 8.6244,  
5.9043

327.5364,

 2.6586, 4.4970,

381.4748, 366.8864

2.7191

386.8791,  
448.1629, 433.8859

■ 0.9759, 1.9553,  
0.9530

■ 0.0000, 0.5813,  
0.0000

■ 70.9196, 88.2136,  
78.2548

■ 70.9196, 88.2136,  
78.2548

■ 62.7721, 84.2524,  
67.0759

■ 80.4195, 92.8461,  
90.6667

■ 55.9110, 80.9293,  
57.0878

■ 91.3288, 98.1786,  
104.3437

■ 50.2680, 78.2100,  
48.2520

■ 95.0500, 100.0000,  
108.9000

■ 45.7676, 76.0563,  
40.5263

■ 42.3250, 74.4255,  
33.8657

■ 39.8433, 73.2684,  
28.2223

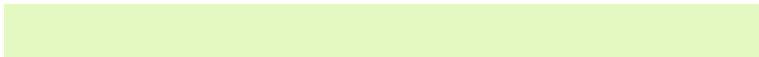
■ 38.2055, 72.5259,  
23.5438

■ 37.4577, 72.1991,  
20.8598

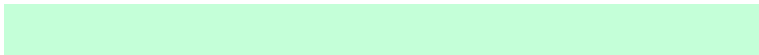
# Harmonies

## Analogous

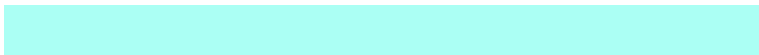
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6264, 88.2136, 64.3415



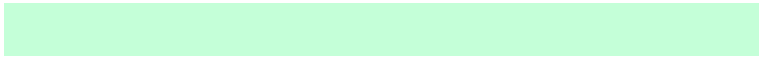
70.9196, 88.2136, 78.2548



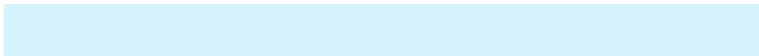
69.5935, 88.2136, 99.1578

# Triad

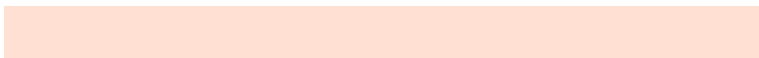
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9196, 88.2136, 78.2548



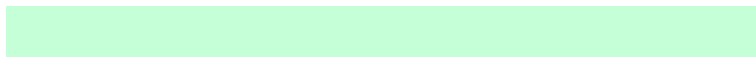
84.9228, 88.2136, 146.2783



97.0625, 88.2136, 73.6997

# Complementary

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



70.9196, 88.2136, 78.2548



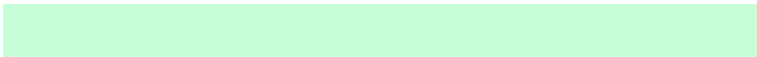
75.9757, 66.7388, 87.4746

# 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.



99.9190, 88.2136, 93.0071



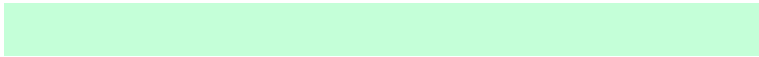
70.9196, 88.2136, 78.2548



92.6372, 88.2136, 136.7651

# Square

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



70.9196, 88.2136, 78.2548



77.3759, 88.2136, 140.6944



98.2512, 88.2136, 116.3562

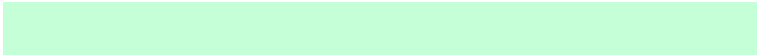


90.6636, 88.2136, 62.0157



# Rectangle

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



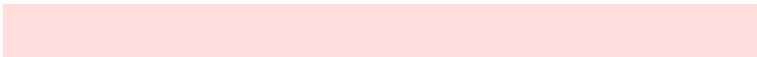
70.9196, 88.2136, 78.2548



70.7306, 88.2136, 114.8863



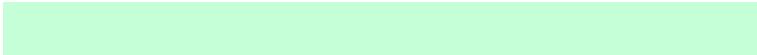
98.2512, 88.2136, 116.3562



98.4864, 88.2136, 79.3934

# Sweetspot

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



70.9203, 88.2140, 78.2562



86.9432, 96.0336, 98.9073



80.0953, 93.2247, 65.9983



18.4670, 20.4855, 20.9922



0.0000, 0.0000, 0.0000

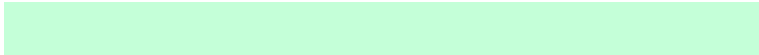


20.3446, 21.4041, 23.3091

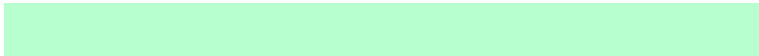


# Same Dimension

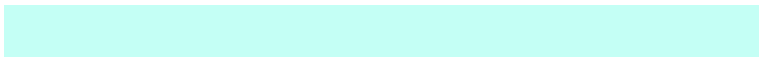
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9203, 88.2140, 78.2562



66.7926, 86.2055, 72.6674



75.0324, 89.8588, 99.9098



18.0256, 20.2698, 20.4379



19.6347, 37.7505, 11.2274



1.9604, 3.6951, 1.3494



# Inverse Universe

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



75.9757, 66.7388, 87.4746



72.6925, 61.1330, 83.4186



72.1008, 65.1889, 67.0699



18.5156, 18.1896, 21.3324



25.3416, 12.6260, 20.9814

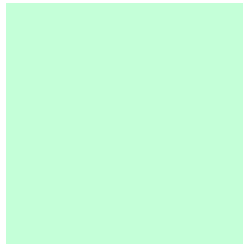


2.5185, 1.2498, 2.3120



# Previews

## White Background



This preview shows how the XYZ color 70.9196, 88.2136, 78.2548 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

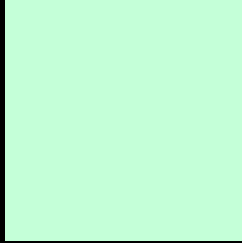
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.9196, 88.2136, 78.2548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

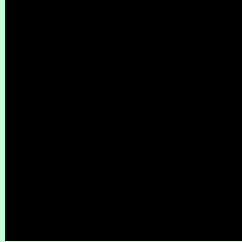
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

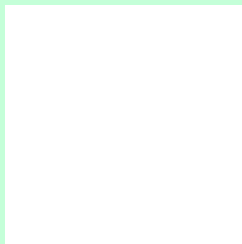
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.9196, 88.2136, 78.2548

## Background



This preview shows how black text looks on a background with the XYZ color 70.9196, 88.2136, 78.2548.



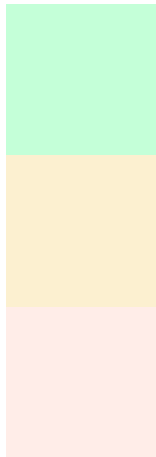
This preview shows how white text looks on a background with the XYZ color 70.9196, 88.2136,

78.2548.

# 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

70.9196, 88.2136, 78.2548

### Protanopia

82.6901, 87.5697, 72.2189

### Deuteranopia

86.0897, 87.6546, 88.7255



## **Tritanopia**

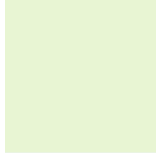
80.8321, 87.6093, 107.2577

# Trichromacy



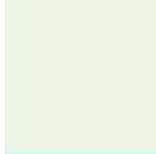
## Original Color

70.9196, 88.2136, 78.2548



## Protanomaly

77.6890, 87.1638, 74.3577



## Deuteranomaly

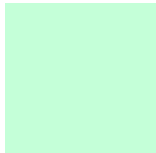
80.0098, 87.6848, 84.6594



## Tritanomaly

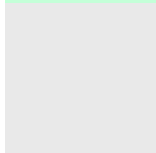
76.8852, 87.6318, 96.0814

# Monochromacy



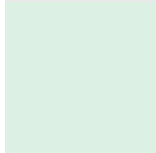
## Original Color

70.9196, 88.2136, 78.2548



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.8356, 83.6723, 84.8792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.9196, 88.2136, 78.2548 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 70.9196, 88.2136, 78.2548 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, 216) }
```



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

```
.border{ border-color:rgb(196, 255, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.9196, 88.2136, 78.2548 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, 216) }
```

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

```
.background{ background-color: rgb(196,  
255, 216) }
```

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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