

Converting Colors

XYZ(70.0853, 85.1522, 77.7906)

Have a look what the booklet for
XYZ(70.0853, 85.1522, 77.7906)
contains.

XYZ(70.0898, 84.9886, 77.6761)	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(70.0898, 84.9886,
77.6761)**

Conversions

Conversions Part 1

Format	Color
Hex	C8F9D8
RGB	200, 249, 216
RGB Percent	78%, 98%, 85%
CMY	0.2157, 0.0235, 0.1529
CMYK	0.20, 0.00, 0.13, 0.02
HSL	140°, 80%, 88%
HSV	140°, 20%, 98%
XYZ	70.0898, 84.9886, 77.6761
YIQ	230.5870, -18.6110, -20.6510

Conversions

Conversions Part 2

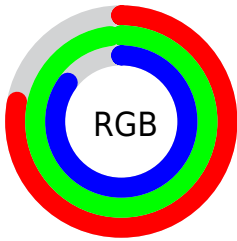
Format	Color
R_{YB}	200, 237, 249
Decimal	13171160
CIE _{Lab}	93.88, -21.89, 10.74
CIE _{LCh}	94, 24.379, 153.864
Yxy	84.9886, 0.3011, 0.3651
Android (android.graphics.Color)	4291361240 (0xFFC8F9D8)
YUV	230.5870, -7.1914, -26.8248
Hunter-Lab	92.1893, -25.6209, 14.5764

Details

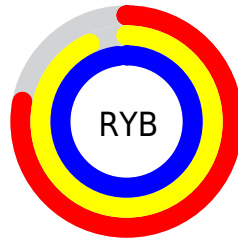
The XYZ color **70.0898, 84.9886, 77.6761** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.4322, 67.3336, 86.1683**, and the grayscale version is **75.7123, 79.6552, 86.7445**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9597, 46.2922, 40.7055** is the 20% darker color. If you saturate the color by 10%, you get **61.9150, 81.0146, 66.5482**, and if you desaturate by 10%, it is **79.5736, 89.6166, 90.0241**.

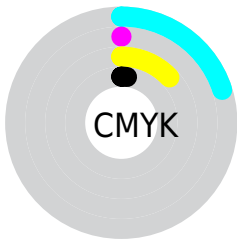
Distribution



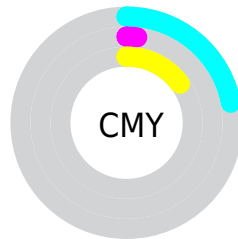
- Red (78%)
- Green (98%)
- Blue (85%)



- Red (78%)
- Yellow (93%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)





- Cyan (22%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0898, 84.9886, 77.6761 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 70.0898, 84.9886, 77.6761 by changing the saturation by 10% instead.


 70.0898, 84.9886,
77.6761

 70.0898, 84.9886,
77.6761


450.1267,
511.5903, 506.5649

 51.8796, 63.8320,
57.2931


118.3624,
140.3572, 131.8751

 37.1330, 46.5146,
40.8297


149.1555,
175.3380, 166.5282

 25.4846, 32.6521,
27.8673

184.8736,
215.6957, 206.7751

 16.5691, 21.8601,
17.9875

225.8821,
261.8146, 253.0343

 10.0212, 13.7541,
10.7717

272.5463,
314.0791, 305.7243

 5.4754, 7.9498,
5.8013

325.2315,

 2.5664, 4.0629,

372.8736, 365.2637

2.6578

384.3032,
438.5826, 432.0711

■ 0.9289, 1.7088,
0.9221

■ 0.0000, 0.4293,
0.0000

■ 70.0898, 84.9886,
77.6761

■ 70.0898, 84.9886,
77.6761

■ 61.9150, 81.0146,
66.5482

■ 79.5736, 89.6166,
90.0241

■ 54.9832, 77.6542,
56.5973

■ 90.4147, 94.9156,
103.6219

■ 49.2333, 74.8791,
47.7864

■ 93.1673, 96.2346,
108.2724

■ 44.5957, 72.6542,
40.0740

■ 40.9933, 70.9407,
33.4163

■ 38.3389, 69.6946,
27.7665

■ 36.5292, 68.8637,
23.0737

■ 35.4042, 68.3665,
19.2809

■ 35.3739, 68.3532,
19.1734

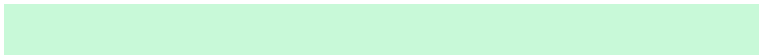
Harmonies

Analogous

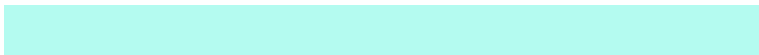
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0256, 84.9886, 65.9299



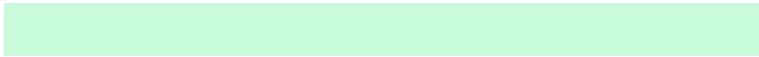
70.0898, 84.9886, 77.6761



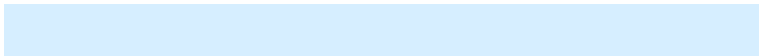
68.9614, 84.9886, 94.9665

Triad

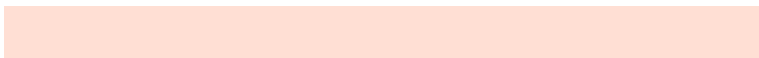
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0898, 84.9886, 77.6761



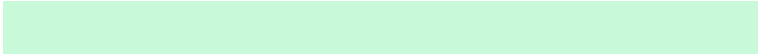
81.6226, 84.9886, 132.9550



91.5864, 84.9886, 74.0244

Complementary

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



70.0898, 84.9886, 77.6761



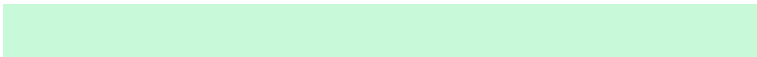
74.4322, 67.3336, 86.1683

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.



93.8753, 84.9886, 90.1515



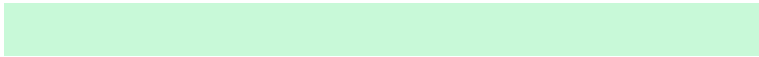
70.0898, 84.9886, 77.6761



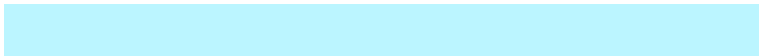
87.9314, 84.9886, 125.4863

Square

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



70.0898, 84.9886, 77.6761



75.4078, 84.9886, 128.4589



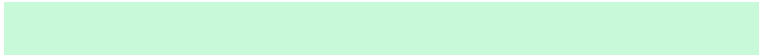
92.5035, 84.9886, 109.1844



86.3997, 84.9886, 64.0281

Rectangle

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



70.0898, 84.9886, 77.6761



69.8998, 84.9886, 107.7571



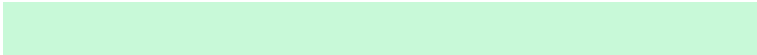
92.5035, 84.9886, 109.1844



92.7325, 84.9886, 78.8242

Sweetspot

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



70.0921, 84.9922, 77.6780



88.0284, 96.5668, 100.1424



78.0665, 89.3306, 67.7727



18.6849, 20.5927, 21.2368



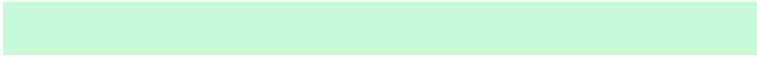
0.0000, 0.0000, 0.0000



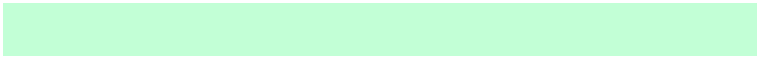
20.3446, 21.4041, 23.3091

Same Dimension

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



70.0921, 84.9922, 77.6780



70.0667, 87.8068, 76.7283



73.4285, 86.3267, 95.2473



17.2510, 19.4027, 19.5224



18.9920, 36.6098, 10.5673



1.8056, 3.4093, 1.2239

Inverse Universe

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



74.4322, 67.3336, 86.1683



75.4852, 65.7538, 87.3238



71.2303, 66.0528, 69.3076



17.7379, 17.4225, 20.4755



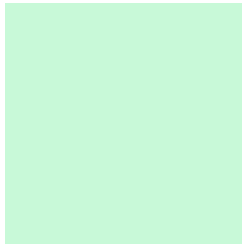
24.7484, 12.3151, 21.1812



2.3408, 1.1601, 2.2183

Previews

White Background



This preview shows how the XYZ color 70.0898, 84.9886, 77.6761 looks on a white background.

Color Contrast Check

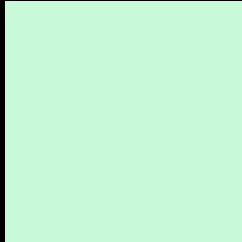
Large Text (above 18pt) WCAG AA × Fail

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 70.0898, 84.9886, 77.6761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

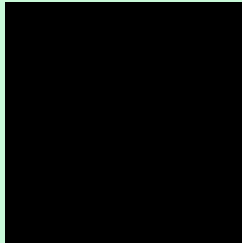
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

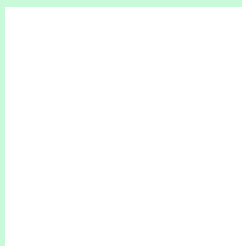
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0898, 84.9886, 77.6761

Background



This preview shows how black text looks on a background with the XYZ color 70.0898, 84.9886, 77.6761.

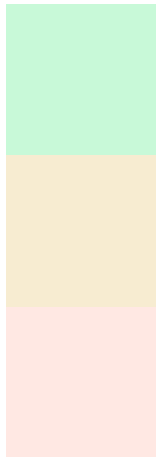


This preview shows how white text looks on a background with the XYZ color 70.0898, 84.9886,

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

70.0898, 84.9886, 77.6761

Protanopia

79.8618, 84.3685, 72.3972

Deuteranopia

83.9617, 84.5193, 84.5616



Tritanopia

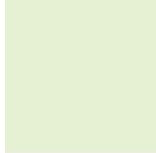
78.1206, 84.8823, 106.8743

Trichromacy



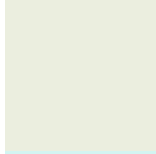
Original Color

70.0898, 84.9886, 77.6761



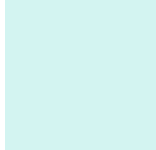
Protanomaly

75.9721, 84.4871, 74.5908



Deuteranomaly

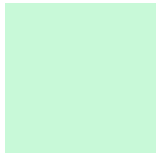
78.1548, 84.1390, 81.9333



Tritanomaly

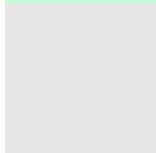
75.0918, 84.9011, 95.6489

Monochromacy



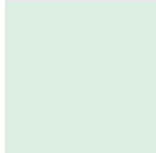
Original Color

70.0898, 84.9886, 77.6761



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.8172, 81.8557, 83.8607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0898, 84.9886, 77.6761 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(200, 249, 216)` looks like.

```
.text, #text, p{  
    color:rgb(200, 249, 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(200, 249, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 249, 216) }
```

Border

The CSS property to change the border of an element to XYZ 70.0898, 84.9886, 77.6761 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(200, 249, 216) }
```


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

```
.border{ border-color:rgb(200, 249, 216) }
```

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

Here you see how a box with a 4 pixel rgb(200, 249, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 249, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 249, 216);  
box-shadow:4px 4px 4px 4px rgb(200, 249,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0898, 84.9886, 77.6761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 249, 216) }
```

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

```
.background{ background-color: rgb(200,  
249, 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](#).

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