

Converting Colors

XYZ(70.0858, 88.1899, 59.8665)

Have a look what the booklet for
XYZ(70.0858, 88.1899, 59.8665)
contains.

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Color

**XYZ(70.0765, 88.1870,
59.7827)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFFBA
RGB	206, 255, 186
RGB Percent	81%, 100%, 73%
CMY	0.1922, 0.0000, 0.2706
CMYK	0.19, 0.00, 0.27, 0.00
HSL	103°, 100%, 86%
HSV	103°, 27%, 100%
XYZ	70.0765, 88.1870, 59.7827
YIQ	232.4830, -7.0550, -31.8470

Conversions

Conversions Part 2

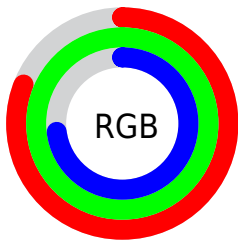
Format	Color
RYB	186, 255, 235
Decimal	13565882
CIELab	95.24, -27.78, 28.02
CIELCh	95, 39.461, 134.755
Yxy	88.1870, 0.3214, 0.4044
Android (android.graphics.Color)	4291755962 (0xFFCEFFBA)
YUV	232.4830, -22.9161, -23.2256
Hunter-Lab	93.9079, -31.1376, 27.9910

Details

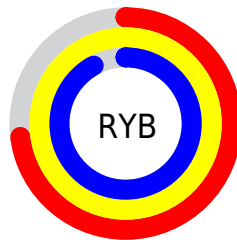
The XYZ color **70.0765, 88.1870, 59.7827** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.8708, 60.0012, 102.5065**, and the grayscale version is **77.2335, 81.2556, 88.4874**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **37.1214, 48.6334, 29.2605** is the 20% darker color. If you saturate the color by 10%, you get **62.8616, 84.7533, 46.5344**, and if you desaturate by 10%, it is **78.3555, 92.1132, 75.6085**.

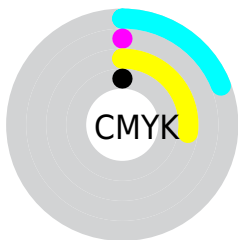
Distribution



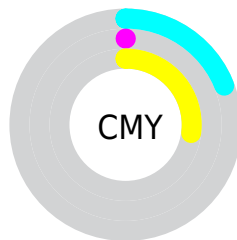
- Red (81%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (92%)



- Cyan (19%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.0765, 88.1870, 59.7827 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 70.0765, 88.1870, 59.7827 by changing the saturation by 10% instead.


 70.0765, 88.1870,
59.7827

 70.0765, 88.1870,
59.7827


450.0808,
522.1154, 441.5787

 51.8687, 66.4779,
42.8194


 118.3435,
144.8175, 106.0547

 37.1243, 48.6605,
29.4131


149.1335,
180.5077, 136.2004

 25.4779, 34.3502,
19.1453


184.8482,
221.6271, 171.5773

 16.5641, 23.1628,
11.5974

225.8530,
268.5600, 212.6039

 10.0175, 14.7138,
6.3510

272.5134,
321.6909, 259.6989

 5.4729, 8.6187,
2.9874

325.1945,

 2.5649, 4.4933,

381.4042, 313.2806

1.0882

384.2619,
448.0842, 373.7677

■ 0.9281, 1.9532,
0.0000

■ 0.0000, 0.5801,
0.0000

■ 70.0765, 88.1870,
59.7827

■ 70.0765, 88.1870,
59.7827

■ 62.8616, 84.7533,
46.5344

■ 78.3555, 92.1132,
75.6085

■ 56.6640, 81.7912,
35.7233

■ 87.7395, 96.5505,
94.1343

■ 51.4354, 79.2789,
27.2016

95.0500, 100.0000,
108.9000

■ 47.1226, 77.1928,
20.8041

■ 43.6669, 75.5064,
16.3430

■ 41.0013, 74.1903,
13.5982

■ 39.0454, 73.2089,
12.2883

■ 38.5771, 72.9723,
12.0518

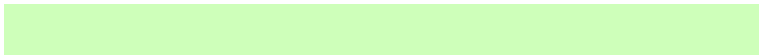
Harmonies

Analogous

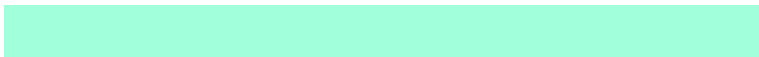
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6582, 88.1870, 49.3540



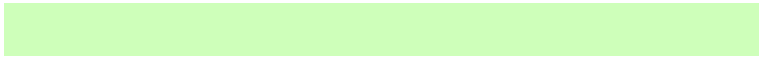
70.0765, 88.1870, 59.7827



65.3961, 88.1870, 81.2640

Triad

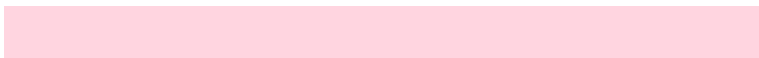
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0765, 88.1870, 59.7827



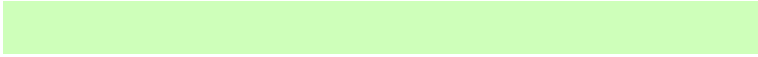
78.4943, 88.1870, 165.3051



105.4663, 88.1870, 81.7033

Complementary

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



70.0765, 88.1870, 59.7827



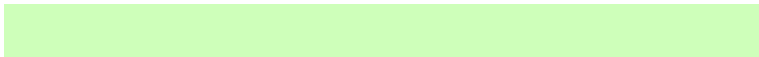
69.8708, 60.0012, 102.5065

Split Complementary

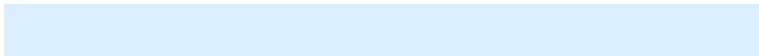
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.4129, 88.1870, 112.4636



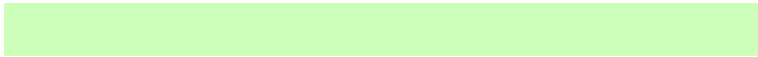
70.0765, 88.1870, 59.7827



89.2009, 88.1870, 165.4938

Square

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



70.0765, 88.1870, 59.7827



69.9654, 88.1870, 144.0865



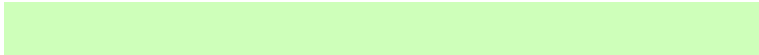
99.2503, 88.1870, 144.5572



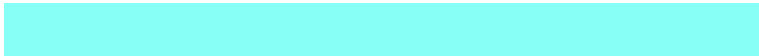
99.3905, 88.1870, 60.0446

Rectangle

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



70.0765, 88.1870, 59.7827



64.8409, 88.1870, 101.0177



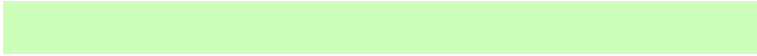
99.2503, 88.1870, 144.5572



106.1802, 88.1870, 91.1912

Sweetspot

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



70.0770, 88.1872, 59.7840



86.8072, 96.1102, 92.2705



79.6117, 83.8223, 58.4390



18.2661, 20.4231, 19.1237



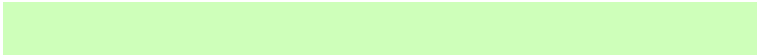
0.0000, 0.0000, 0.0000



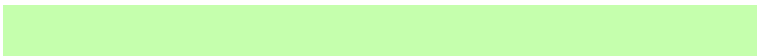
20.3446, 21.4041, 23.3091

Same Dimension

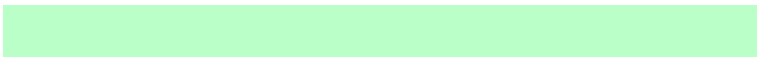
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0770, 88.1872, 59.7840



66.3810, 86.4299, 52.9224



66.4124, 86.1203, 67.6448



18.2661, 20.4231, 19.1237



20.2847, 38.1952, 6.3033



2.0778, 3.7719, 0.6185

Inverse Universe

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



69.8708, 60.0012, 102.5065



66.1381, 54.3078, 101.6043



74.7065, 62.7416, 91.5490



18.2497, 18.0204, 22.7664



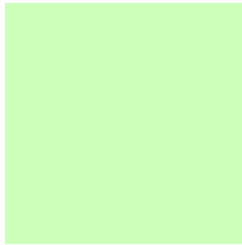
19.5552, 8.9916, 50.1395



2.0125, 0.9314, 4.8870

Previews

White Background



This preview shows how the XYZ color 70.0765, 88.1870, 59.7827 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 70.0765, 88.1870, 59.7827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

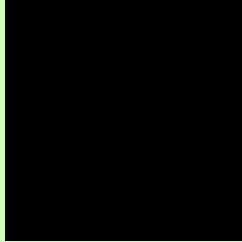
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

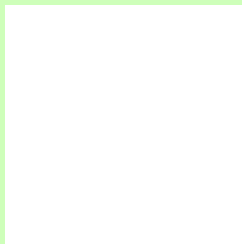
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.0765, 88.1870, 59.7827

Background



This preview shows how black text looks on a background with the XYZ color 70.0765, 88.1870, 59.7827.



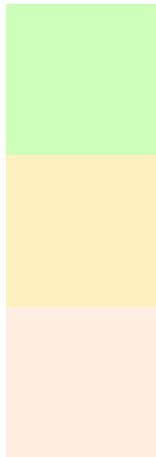
This preview shows how white text looks on a background with the XYZ color 70.0765, 88.1870,

59.7827.

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

70.0765, 88.1870, 59.7827

Protanopia

81.9145, 87.3859, 62.4190

Deuteranopia

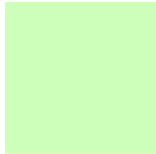
85.5420, 87.9001, 84.4094



Tritanopia

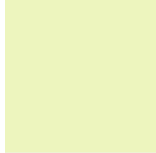
82.0955, 87.8152, 107.2309

Trichromacy



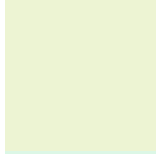
Original Color

70.0765, 88.1870, 59.7827



Protanomaly

76.8717, 87.0270, 61.4615



Deuteranomaly

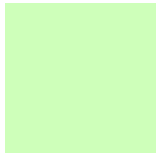
79.0336, 87.4090, 74.3341



Tritanomaly

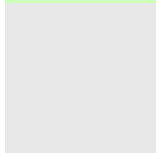
77.0589, 87.4503, 87.6811

Monochromacy



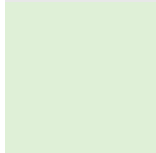
Original Color

70.0765, 88.1870, 59.7827



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.8573, 82.9144, 76.4014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0765, 88.1870, 59.7827 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(206, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 186)  
}
```

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(206, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 186) }
```

Border

The CSS property to change the border of an element to XYZ 70.0765, 88.1870, 59.7827 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(206, 255, 186) }
```


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

```
.border{ border-color:rgb(206, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 255, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 255, 186); box-shadow:4px 4px 4px 4px rgb(206, 255, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0765, 88.1870, 59.7827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 186) }
```

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

```
.background{ background-color: rgb(206,  
255, 186) }
```

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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