

Converting Colors

XYZ(70.7977, 83.4195, 88.6530)

Have a look what the booklet for
XYZ(70.7977, 83.4195, 88.6530)
contains.

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Color

**XYZ(70.7711, 83.2731,
88.6872)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F5E8
RGB	199, 245, 232
RGB Percent	78%, 96%, 91%
CMY	0.2196, 0.0392, 0.0902
CMYK	0.19, 0.00, 0.05, 0.04
HSL	163°, 70%, 87%
HSV	163°, 19%, 96%
XYZ	70.7711, 83.2731, 88.6872
YIQ	229.7640, -23.2430, -13.7950

Conversions

Conversions Part 2

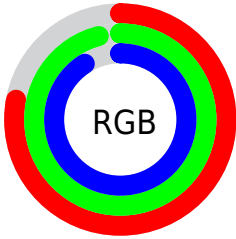
Format	Color
R_{YB}	199, 226, 245
Decimal	13104616
CIE _{Lab}	93.13, -17.22, 1.38
CIE _{LCh}	93, 17.275, 175.412
Yxy	83.2731, 0.2916, 0.3431
Android (android.graphics.Color)	4291294696 (0xFFC7F5E8)
YUV	229.7640, 1.1023, -26.9800
Hunter-Lab	91.2541, -21.2610, 6.2556

Details

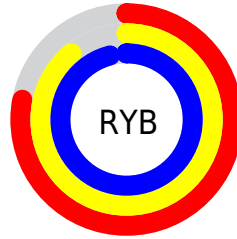
The XYZ color **70.7711, 83.2731, 88.6872** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9663, 65.0150, 71.1526**, and the grayscale version is **75.0457, 78.9539, 85.9808**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5357, 45.4591, 47.8704** is the 20% darker color. If you saturate the color by 10%, you get **63.8225, 79.8047, 83.3288**, and if you desaturate by 10%, it is **78.8097, 87.3035, 94.3025**.

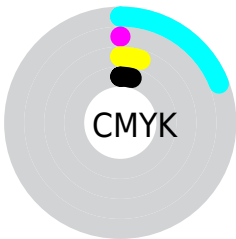
Distribution



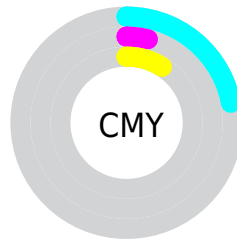
- Red (78%)
- Green (96%)
- Blue (91%)



- Red (78%)
- Yellow (89%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (22%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7711, 83.2731, 88.6872 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 70.7711, 83.2731, 88.6872 by changing the saturation by 10% instead.


 70.7711, 83.2731,
88.6872

 70.7711, 83.2731,
88.6872


452.4772,
505.8962, 544.2106

 52.4373, 62.4155,
66.3248


119.3280,
137.9579, 147.4330

 37.5794, 45.3685,
48.0779


150.2818,
172.5538, 184.6535

 25.8322, 31.7478,
33.5282

186.1730,
212.4980, 227.6638

 16.8301, 21.1689,
22.2570

227.3670,
258.1748, 276.8824

 10.2080, 13.2475,
13.8457

274.2290,
309.9687, 332.7278

 5.6004, 7.5992,
7.8759

327.1245,

 2.6420, 3.8396,

368.2639, 395.6186

3.9290

386.4187,
433.4450, 465.9734

0.9674, 1.5842,
1.5865

0.0000, 0.3469,
0.2811

70.7711, 83.2731,
88.6872

70.7711, 83.2731,
88.6872

63.8225, 79.8047,
83.3288

78.8097, 87.3035,
94.3025

57.9065, 76.8619,
78.2172

87.9784, 91.9097,
100.1735

52.9709, 74.4201,
73.3491

91.5882, 93.6455,
105.9913

48.9559, 72.4486,
68.7195

91.9439, 93.7878,
107.8646

■ 45.7953, 70.9133,
64.3228

■ 43.4135, 69.7753,
60.1530

■ 41.7211, 68.9885,
56.2035

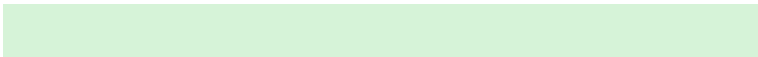
■ 40.5873, 68.4855,
52.4655

■ 40.4658, 68.4326,
52.0214

Harmonies

Analogous

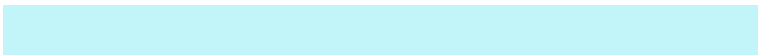
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1849, 83.2731, 77.2199



70.7711, 83.2731, 88.6872



71.5309, 83.2731, 101.8142

Triad

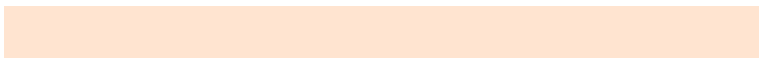
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7711, 83.2731, 88.6872



82.9497, 83.2731, 115.1489



84.2025, 83.2731, 71.6262

Complementary

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



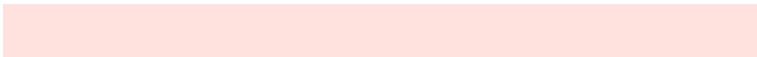
70.7711, 83.2731, 88.6872



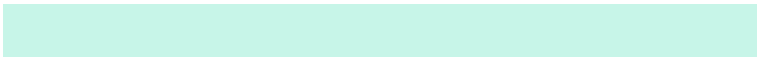
69.9663, 65.0150, 71.1526

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.



87.2888, 83.2731, 80.3706



70.7711, 83.2731, 88.6872



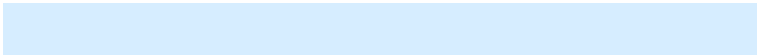
86.5463, 83.2731, 105.5982

Square

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



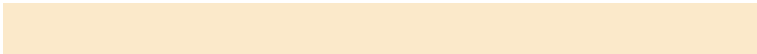
70.7711, 83.2731, 88.6872



78.4531, 83.2731, 117.9103



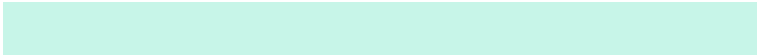
88.1624, 83.2731, 92.6826



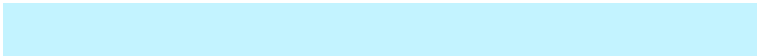
79.8482, 83.2731, 67.9862

Rectangle

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



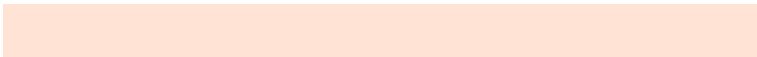
70.7711, 83.2731, 88.6872



73.1837, 83.2731, 109.6431



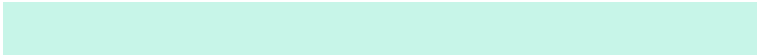
88.1624, 83.2731, 92.6826



85.4290, 83.2731, 74.0230

Sweetspot

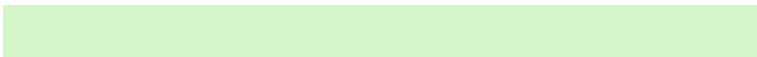
The Sweet Spot groups the original color and five complimentary colors.



70.7735, 83.2766, 88.6891



88.9548, 96.9374, 105.0210



70.1249, 83.4339, 66.4426



18.9039, 20.6802, 22.3898



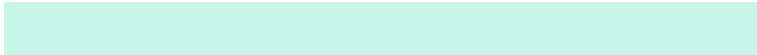
0.0000, 0.0000, 0.0000



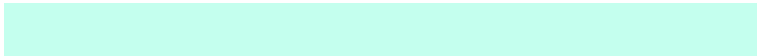
20.3446, 21.4041, 23.3091

Same Dimension

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



70.7735, 83.2766, 88.6891



74.1108, 89.5006, 94.5835



69.7551, 78.1736, 97.8027



16.7853, 18.6732, 20.1536



21.8610, 36.8893, 28.3518



1.9652, 3.2598, 2.7229

Inverse Universe

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



69.9663, 65.0150, 71.1526



73.0601, 65.6984, 71.7334



70.7600, 69.1230, 63.6469



16.6917, 16.5595, 18.1229



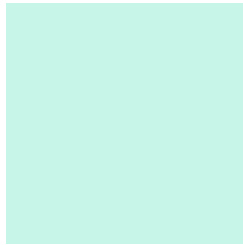
20.9200, 10.7114, 4.2871



1.8809, 0.9583, 0.5990

Previews

White Background



This preview shows how the XYZ color 70.7711, 83.2731, 88.6872 looks on a white background.

Color Contrast Check

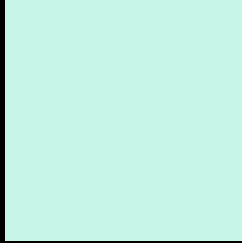
Large Text (above 18pt) WCAG AA × Fail

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 70.7711, 83.2731, 88.6872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

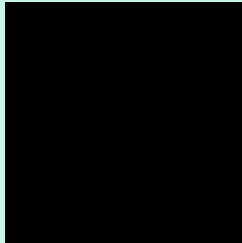
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

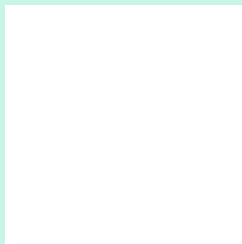
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.7711, 83.2731, 88.6872

Background



This preview shows how black text looks on a background with the XYZ color 70.7711, 83.2731, 88.6872.

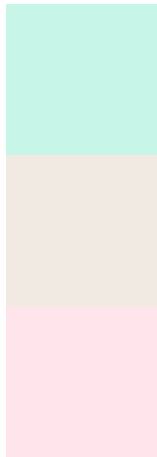


This preview shows how white text looks on a background with the XYZ color 70.7711, 83.2731,

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

70.7711, 83.2731, 88.6872

Protanopia

79.4259, 83.0374, 83.7931

Deuteranopia

84.1237, 82.8029, 90.9056



Tritanopia

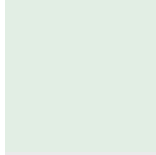
76.0741, 83.3891, 106.6939

Trichromacy



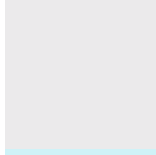
Original Color

70.7711, 83.2731, 88.6872



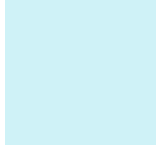
Protanomaly

75.9422, 82.9193, 85.4012



Deuteranomaly

78.6792, 82.5060, 90.3757



Tritanomaly

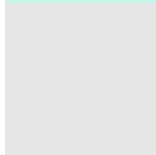
74.2728, 83.4851, 100.1953

Monochromacy



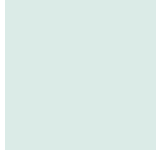
Original Color

70.7711, 83.2731, 88.6872



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.3456, 80.2463, 87.2247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7711, 83.2731, 88.6872 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, 245, 232)` looks like.

```
.text, #text, p{  
    color:rgb(199, 245, 232)  
}
```

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, 245, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 245, 232) }
```

Border

The CSS property to change the border of an element to XYZ 70.7711, 83.2731, 88.6872 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, 245, 232) }
```


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

```
.border{ border-color:rgb(199, 245, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 245, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 245, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 245, 232);  
box-shadow:4px 4px 4px 4px rgb(199, 245,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7711, 83.2731, 88.6872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 245, 232) }
```

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

```
.background{ background-color: rgb(199,  
245, 232) }
```

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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