

Converting Colors

XYZ(71.4980, 83.6529, 88.8488)

Have a look what the booklet for
XYZ(71.4980, 83.6529, 88.8488)
contains.

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Color

**XYZ(71.5750, 83.6876,
88.7248)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF5E8
RGB	202, 245, 232
RGB Percent	79%, 96%, 91%
CMY	0.2078, 0.0392, 0.0902
CMYK	0.18, 0.00, 0.05, 0.04
HSL	162°, 68%, 88%
HSV	162°, 18%, 96%
XYZ	71.5750, 83.6876, 88.7248
YIQ	230.6610, -21.4550, -13.1590

Conversions

Conversions Part 2

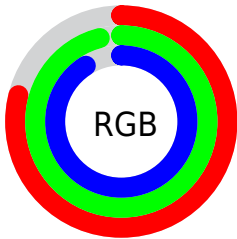
Format	Color
R _Y B	202, 227, 245
Decimal	13301224
CIE Lab	93.31, -16.29, 1.67
CIE LCh	93, 16.374, 174.156
Yxy	83.6876, 0.2934, 0.3430
Android (android.graphics.Color)	4291491304 (0xFFCAF5E8)
YUV	230.6610, 0.6601, -25.1357
Hunter-Lab	91.4809, -20.4326, 6.5329

Details

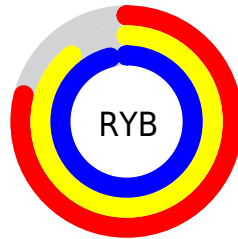
The XYZ color **71.5750, 83.6876, 88.7248** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0454, 66.5620, 73.3969**, and the grayscale version is **75.7123, 79.6552, 86.7445**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0667, 45.7328, 47.8953** is the 20% darker color. If you saturate the color by 10%, you get **64.4350, 80.1281, 83.0137**, and if you desaturate by 10%, it is **79.8165, 87.8143, 94.7226**.

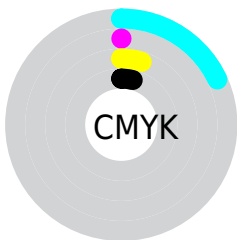
Distribution



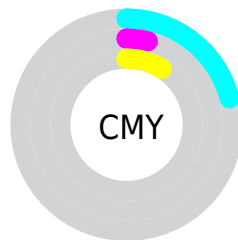
- Red (79%)
- Green (96%)
- Blue (91%)



- Red (79%)
- Yellow (89%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (21%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5750, 83.6876, 88.7248 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 71.5750, 83.6876, 88.7248 by changing the saturation by 10% instead.


 71.5750, 83.6876,
88.7248

 71.5750, 83.6876,
88.7248


455.2416,
507.2753, 544.3366

 53.0958, 62.7575,
66.3557


120.4662,
138.5381, 147.4858

 38.1070, 45.6451,
48.1029


151.6089,
173.2273, 184.7148

 26.2434, 31.9658,
33.5478


187.7034,
213.2717, 227.7343

 17.1394, 21.3354,
22.2719

229.1152,
259.0557, 276.9627

 10.4299, 13.3694,
13.8566

276.2095,
310.9637, 332.8186

 5.7493, 7.6834,
7.8834

329.3518,

 2.7325, 3.8930,

369.3800, 395.7205

3.9337

388.9074,
434.6890, 466.0870

■ 1.0139, 1.6139,
1.5891

■ 0.0000, 0.3670,
0.2830

■ 71.5750, 83.6876,
88.7248

■ 71.5750, 83.6876,
88.7248

■ 64.4350, 80.1281,
83.0137

■ 79.8165, 87.8143,
94.7226

■ 58.3394, 77.0997,
77.5785

■ 89.1993, 92.5220,
101.0064

■ 53.2365, 74.5780,
72.4157

■ 91.8198, 93.7383,
107.2109

■ 49.0671, 72.5327,
67.5196

■ 91.9440, 93.7880,
107.8647

■ 45.7658, 70.9300,
62.8841

■ 43.2582, 69.7316,
58.5028

■ 41.4567, 68.8926,
54.3684

■ 40.2461, 68.3535,
50.4723

■ 39.9970, 68.2452,
49.5525

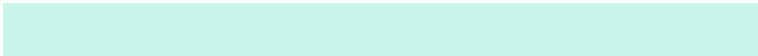
Harmonies

Analogous

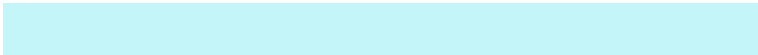
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0081, 83.6876, 77.9100



71.5750, 83.6876, 88.7248



72.2135, 83.6876, 101.1900

Triad

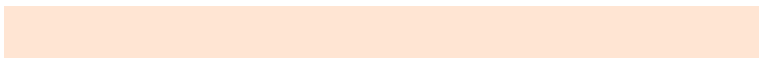
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5750, 83.6876, 88.7248



82.9846, 83.6876, 114.5543



84.4980, 83.6876, 73.1940

Complementary

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



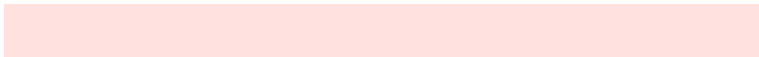
71.5750, 83.6876, 88.7248



71.0454, 66.5620, 73.3969

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.



87.3514, 83.6876, 81.7442



71.5750, 83.6876, 88.7248



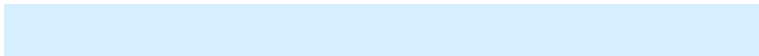
86.4558, 83.6876, 105.7481

Square

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



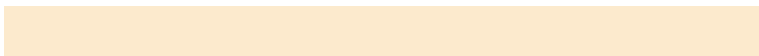
71.5750, 83.6876, 88.7248



78.7012, 83.6876, 116.8481



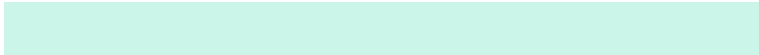
88.0805, 83.6876, 93.5611



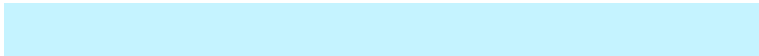
80.3899, 83.6876, 69.4788

Rectangle

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



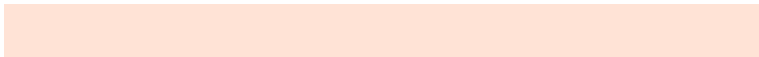
71.5750, 83.6876, 88.7248



73.7402, 83.6876, 108.6871



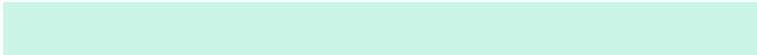
88.0805, 83.6876, 93.5611



85.6416, 83.6876, 75.5585

Sweetspot

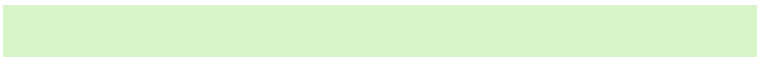
The Sweet Spot groups the original color and five complimentary colors.



71.5774, 83.6911, 88.7267



89.8992, 97.4157, 105.4513



71.5215, 84.1134, 68.3443



19.0927, 20.7760, 22.4685



0.0000, 0.0000, 0.0000



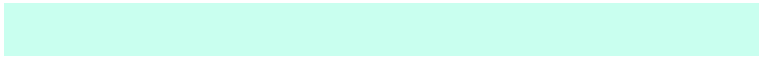
20.3446, 21.4041, 23.3091

Same Dimension

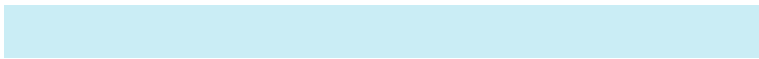
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5774, 83.6911, 88.7267



75.5201, 90.2206, 94.9462



71.1592, 79.7883, 98.0406



16.7708, 18.6675, 20.0773



21.6105, 36.7890, 27.0323



1.9448, 3.2516, 2.6152

Inverse Universe

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



71.0454, 66.5620, 73.3969



74.8399, 68.2867, 75.3209



71.3373, 69.7146, 65.5747



16.7054, 16.5650, 18.1951



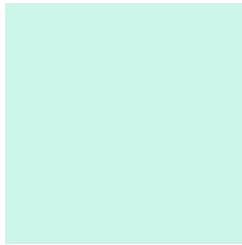
21.0071, 10.7463, 4.7456



1.8900, 0.9620, 0.6470

Previews

White Background



This preview shows how the XYZ color 71.5750, 83.6876, 88.7248 looks on a white background.

Color Contrast Check

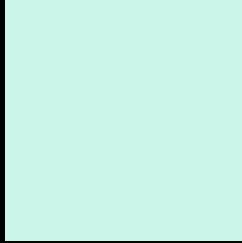
Large Text (above 18pt) WCAG AA × Fail

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 71.5750, 83.6876, 88.7248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

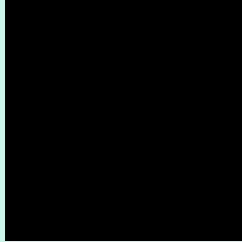
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

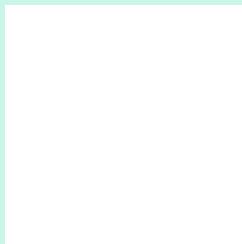
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.5750, 83.6876, 88.7248

Background



This preview shows how black text looks on a background with the XYZ color 71.5750, 83.6876, 88.7248.



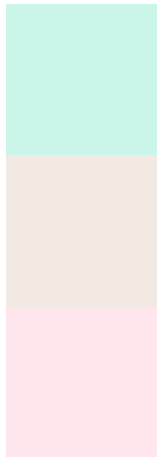
This preview shows how white text looks on a background with the XYZ color 71.5750, 83.6876,

88.7248.

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

71.5750, 83.6876, 88.7248

Protanopia

79.7682, 83.2139, 83.8092

Deuteranopia

84.3996, 83.3548, 90.9976



Tritanopia

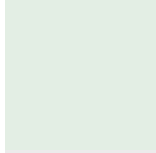
76.9416, 83.8363, 106.7345

Trichromacy



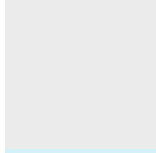
Original Color

71.5750, 83.6876, 88.7248



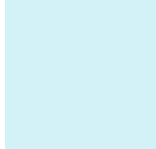
Protanomaly

76.2567, 83.0814, 85.4159



Deuteranomaly

79.2958, 83.2477, 90.4863



Tritanomaly

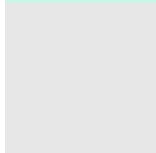
75.1190, 83.9213, 100.2349

Monochromacy



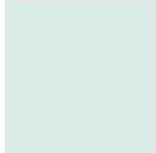
Original Color

71.5750, 83.6876, 88.7248



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.9345, 80.9761, 87.3345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5750, 83.6876, 88.7248 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(202, 245, 232)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 245, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 245, 232) }
```

Border

The CSS property to change the border of an element to XYZ 71.5750, 83.6876, 88.7248 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(202, 245, 232) }
```


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

```
.border{ border-color:rgb(202, 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(202, 245, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 245, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 245, 232);  
box-shadow:4px 4px 4px 4px rgb(202, 245,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5750, 83.6876, 88.7248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 245, 232) }
```

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

```
.background{ background-color: rgb(202,  
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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