

Converting Colors

XYZ(57.8561, 71.3942, 64.4814)

Have a look what the booklet for
XYZ(57.8561, 71.3942, 64.4814)
contains.

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Color

**XYZ(57.9878, 71.5400,
64.7852)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E8C7
RGB	180, 232, 199
RGB Percent	71%, 91%, 78%
CMY	0.2941, 0.0902, 0.2196
CMYK	0.22, 0.00, 0.14, 0.09
HSL	142°, 53%, 81%
HSV	142°, 22%, 91%
XYZ	57.9878, 71.5400, 64.7852
YIQ	212.6900, -20.3990, -21.2870

Conversions

Conversions Part 2

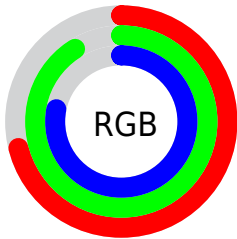
Format	Color
RYB	180, 218, 232
Decimal	11856071
CIELab	87.75, -23.12, 10.66
CIELCh	88, 25.454, 155.248
Yxy	71.5400, 0.2984, 0.3682
Android (android.graphics.Color)	4290046151 (0xFFB4E8C7)
YUV	212.6900, -6.7492, -28.6691
Hunter-Lab	84.5813, -25.6401, 13.7937

Details

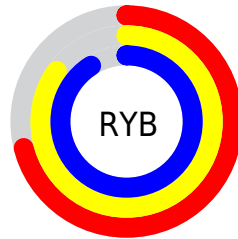
The XYZ color **57.9878, 71.5400, 64.7852** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6127, 54.6041, 70.2461**, and the grayscale version is **63.0937, 66.3795, 72.2873**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **29.2404, 37.5306, 32.4911** is the 20% darker color. If you saturate the color by 10%, you get **51.4047, 68.3364, 55.9813**, and if you desaturate by 10%, it is **65.6442, 75.2818, 74.5058**.

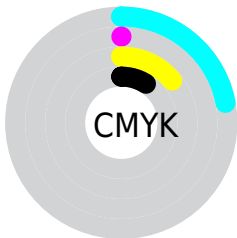
Distribution



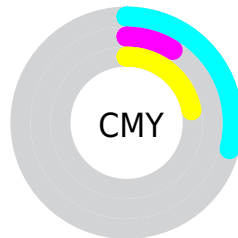
- Red (71%)
- Green (91%)
- Blue (78%)



- Red (71%)
- Yellow (85%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)



- Cyan (29%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9878, 71.5400, 64.7852 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 57.9878, 71.5400, 64.7852 by changing the saturation by 10% instead.

■ 57.9878, 71.5400,
64.7852

■ 57.9878, 71.5400,
64.7852

407.0951,
465.9389, 460.3047

■ 42.0421, 52.7830,
46.8367

■ 101.0282,
121.4023, 113.3513

■ 29.3255, 37.6296,
32.5531

128.8535,
153.2764, 144.8060

■ 19.4727, 25.6953,
21.5160

161.3694,
190.2916, 181.5998

■ 12.1184, 16.5958,
13.3068

198.9413,
232.8324, 224.1513

■ 6.8971, 9.9468,
7.5070

241.9344,
281.2832, 272.8790

■ 3.4436, 5.3637,
3.6979


290.7142,


■ 1.3925, 2.4622,

336.0282, 328.2014


1.4611


345.6459,
397.4520, 390.5372


 0.2508, 0.8576,
0.1887


 0.0000, 0.0000,
0.0000

 57.9878, 71.5400,
64.7852


 57.9878, 71.5400,
64.7852

 51.4047, 68.3364,
55.9813


 65.6442, 75.2818,
74.5058


 45.8395, 65.6369,
48.0628

 74.4145, 79.5762,
85.1640

 41.2404, 63.4175,
41.0030

 84.3441, 84.4482,
96.7860

 37.5486, 61.6484,
34.7726

 88.1479, 86.1959,
106.5993

■ 34.6984, 60.2963,
29.3401

■ 32.6149, 59.3234,
24.6723

■ 31.2083, 58.6840,
20.7331

■ 30.4884, 58.3681,
18.2051

Harmonies

Analogous

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



61.5133, 71.5400, 53.7718



57.9878, 71.5400, 64.7852



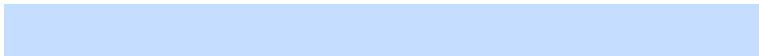
57.0771, 71.5400, 80.9765

Triad

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



57.9878, 71.5400, 64.7852



69.0643, 71.5400, 115.9231



77.9266, 71.5400, 60.2364

Complementary

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



57.9878, 71.5400, 64.7852



61.6127, 54.6041, 70.2461

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.



80.2269, 71.5400, 74.8924



57.9878, 71.5400, 64.7852



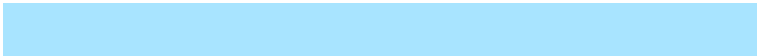
74.9203, 71.5400, 108.3298

Square

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



57.9878, 71.5400, 64.7852



63.2501, 71.5400, 112.1641



79.0956, 71.5400, 92.6636



72.9748, 71.5400, 51.4307

Rectangle

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



57.9878, 71.5400, 64.7852



58.0261, 71.5400, 92.9574



79.0956, 71.5400, 92.6636



79.0485, 71.5400, 64.5543

Sweetspot

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



57.9898, 71.5430, 64.7868



87.0145, 96.0621, 99.2826



64.7706, 75.2779, 54.2972



18.4834, 20.4921, 21.0789



0.0000, 0.0000, 0.0000



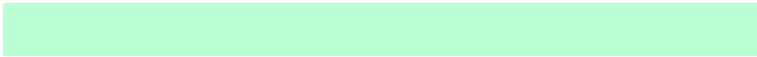
20.3446, 21.4041, 23.3091

Same Dimension

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



57.9898, 71.5430, 64.7868



67.8424, 86.6964, 74.9874



61.1630, 72.8123, 81.4969



14.4059, 16.1758, 16.4022



16.9805, 32.4243, 10.3978



1.2983, 2.4134, 0.9972

Inverse Universe

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



61.6127, 54.6041, 70.2461



73.0916, 62.1455, 82.8914



58.6576, 53.4221, 54.6851



14.7600, 14.5212, 16.9364



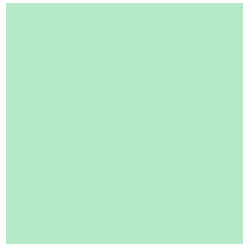
21.4716, 10.7228, 16.6442



1.6310, 0.8101, 1.4631

Previews

White Background



This preview shows how the XYZ color 57.9878, 71.5400, 64.7852 looks on a white background.

Color Contrast Check

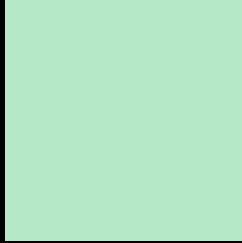
Large Text (above 18pt) WCAG AA × Fail

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 57.9878, 71.5400, 64.7852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

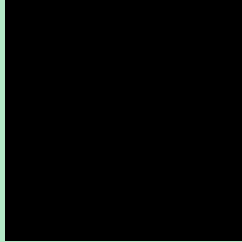
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

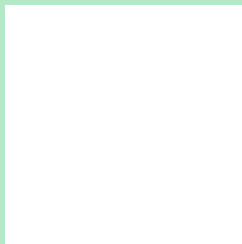
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.9878, 71.5400, 64.7852

Background



This preview shows how black text looks on a background with the XYZ color 57.9878, 71.5400, 64.7852.

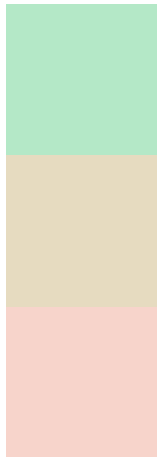


This preview shows how white text looks on a background with the XYZ color 57.9878, 71.5400,

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

57.9878, 71.5400, 64.7852

Protanopia

67.4791, 71.2918, 60.0733

Deuteranopia

72.6807, 71.1729, 66.4070



Tritanopia

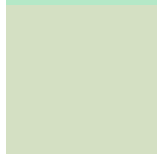
64.2645, 71.6157, 96.0241

Trichromacy



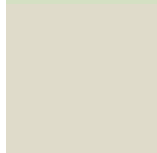
Original Color

57.9878, 71.5400, 64.7852



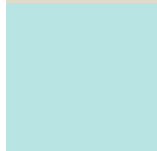
Protanomaly

63.6574, 71.2485, 62.0270



Deuteranomaly

66.4236, 70.6153, 66.0063



Tritanomaly

61.7546, 71.4025, 83.9260

Monochromacy



Original Color

57.9878, 71.5400, 64.7852



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

61.0658, 68.1580, 69.6118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9878, 71.5400, 64.7852 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(180, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(180, 232, 199)  
}
```

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(180, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 232, 199) }
```

Border

The CSS property to change the border of an element to XYZ 57.9878, 71.5400, 64.7852 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(180, 232, 199) }
```


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

```
.border{ border-color:rgb(180, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(180, 232,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9878, 71.5400, 64.7852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 232, 199) }
```

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

```
.background{ background-color: rgb(180,  
232, 199) }
```

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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