

Converting Colors

XYZ(63.9830, 79.2944, 52.7278)

Have a look what the booklet for
XYZ(63.9830, 79.2944, 52.7278)
contains.

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Color

**XYZ(63.8471, 79.1560,
52.4710)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF2AF
RGB	202, 242, 175
RGB Percent	79%, 95%, 69%
CMY	0.2078, 0.0510, 0.3137
CMYK	0.17, 0.00, 0.28, 0.05
HSL	96°, 72%, 82%
HSV	96°, 28%, 95%
XYZ	63.8471, 79.1560, 52.4710
YIQ	222.4020, -2.3330, -29.3170

Conversions

Conversions Part 2

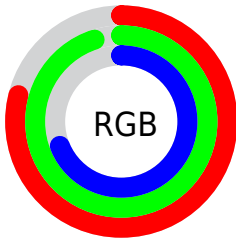
Format	Color
RYB	175, 242, 215
Decimal	13300399
CIELab	91.30, -24.62, 28.21
CIELCh	91, 37.444, 131.121
Yxy	79.1560, 0.3266, 0.4049
Android (android.graphics.Color)	4291490479 (0xFFCAF2AF)
YUV	222.4020, -23.3692, -17.8926
Hunter-Lab	88.9697, -27.6003, 27.3117

Details

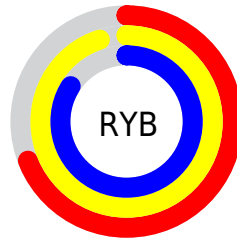
The XYZ color **63.8471, 79.1560, 52.4710** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.3847, 51.5202, 90.8232**, and the grayscale version is **69.8785, 73.5176, 80.0607**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **33.1044, 42.7260, 24.9145** is the 20% darker color. If you saturate the color by 10%, you get **57.9523, 76.3700, 40.8803**, and if you desaturate by 10%, it is **70.5381, 82.3080, 66.3257**.

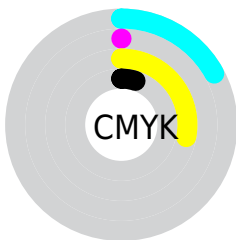
Distribution



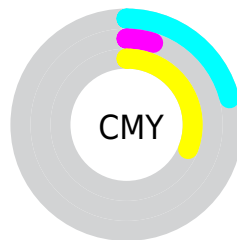
- Red (79%)
- Green (95%)
- Blue (69%)



- Red (69%)
- Yellow (95%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)





- Cyan (21%)
- Magenta (5%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8471, 79.1560, 52.4710 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 63.8471, 79.1560, 52.4710 by changing the saturation by 10% instead.


 63.8471, 79.1560,
52.4710

 63.8471, 79.1560,
52.4710


428.2483,
492.0839, 413.2608

 46.7881, 59.0241,
36.9958


 109.4657,
132.1785, 95.2591

 33.0754, 42.6325,
24.9085


138.7559,
165.8378, 123.4092

 22.3437, 29.5969,
15.7905


172.8539,
204.7750, 156.6212

 14.2277, 19.5328,
9.2233

212.1251,
249.3746, 195.3138

 8.3620, 12.0559,
4.7883

256.9348,
300.0209, 239.9056

 4.3812, 6.7818,
2.0670


307.6483,


 1.9200, 3.3260,


357.0983, 290.8150


0.5960


364.6310,
420.9911, 348.4605


 0.5884, 1.3042,
0.0000

 0.0000, 0.1445,
0.0000


 63.8471, 79.1560,
52.4710


 63.8471, 79.1560,
52.4710


 57.9523, 76.3700,
40.8803


 70.5381, 82.3080,
66.3257


 52.8148, 73.9254,
31.4281

 78.0499, 85.8292,
82.5506

 48.4013, 71.8103,
23.9846

 86.4134, 89.7355,
101.2513

 44.6734, 70.0082,
18.4038

 91.0438, 91.9876,
107.5646

■ 41.5880, 68.5003,
14.5199

■ 39.0960, 67.2659,
12.1379

■ 37.1352, 66.2782,
10.9965

■ 36.7385, 66.0773,
10.8179

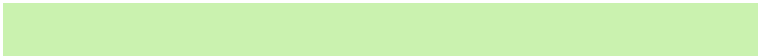
Harmonies

Analogous

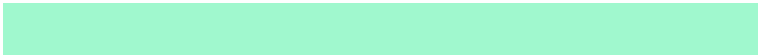
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7657, 79.1560, 44.3621



63.8471, 79.1560, 52.4710



59.2368, 79.1560, 70.3397

Triad

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



63.8471, 79.1560, 52.4710



69.4766, 79.1560, 145.7898



94.6263, 79.1560, 76.4827

Complementary

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



63.8471, 79.1560, 52.4710



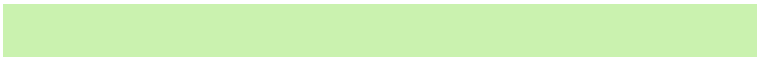
59.3847, 51.5202, 90.8232

Split Complementary

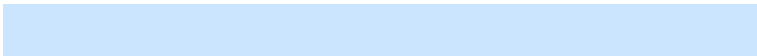
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8828, 79.1560, 104.2528



63.8471, 79.1560, 52.4710



78.8151, 79.1560, 148.4067

Square

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



63.8471, 79.1560, 52.4710



62.2930, 79.1560, 125.3864



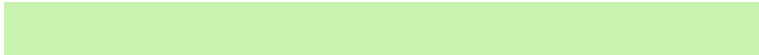
87.9033, 79.1560, 131.9245



89.8567, 79.1560, 56.1499

Rectangle

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



63.8471, 79.1560, 52.4710



58.4055, 79.1560, 87.2154



87.9033, 79.1560, 131.9245



95.0226, 79.1560, 85.1676

Sweetspot

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



63.8491, 79.1594, 52.4727



87.5977, 96.5177, 92.3075



68.4267, 70.1109, 50.4849



18.4644, 20.5253, 19.1329



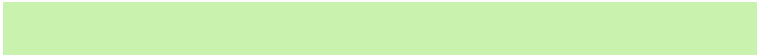
0.0000, 0.0000, 0.0000



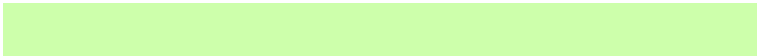
20.3446, 21.4041, 23.3091

Same Dimension

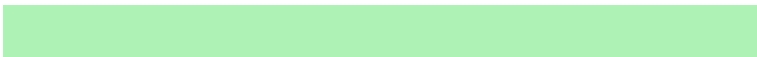
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8491, 79.1594, 52.4727



68.2064, 87.3992, 51.7280



57.7315, 75.9410, 55.1089



16.1688, 17.9672, 16.7655



19.8800, 35.5701, 5.8179



1.7634, 3.0156, 0.4891

Inverse Universe

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



59.3847, 51.5202, 90.8232



62.4316, 51.6759, 101.2917



67.1520, 55.6198, 86.8751



15.8024, 15.6953, 19.9182



14.9931, 6.7346, 45.6376



1.3594, 0.6181, 3.8019

Previews

White Background



This preview shows how the XYZ color 63.8471, 79.1560, 52.4710 looks on a white background.

Color Contrast Check

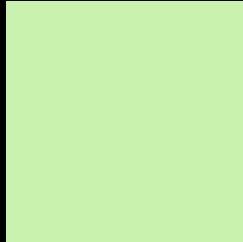
Large Text (above 18pt) WCAG AA × Fail

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 63.8471, 79.1560, 52.4710 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 63.8471, 79.1560, 52.4710

Background



This preview shows how black text looks on a background with the XYZ color 63.8471, 79.1560, 52.4710.

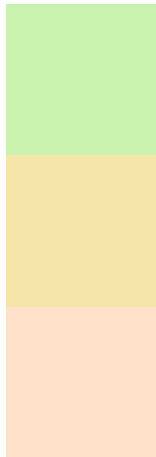


This preview shows how white text looks on a background with the XYZ color 63.8471, 79.1560,

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

63.8471, 79.1560, 52.4710

Protanopia

73.1868, 78.4960, 48.8300

Deuteranopia

78.3210, 78.7414, 65.7142



Tritanopia

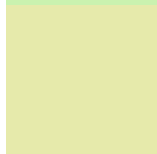
74.0008, 78.9744, 102.6101

Trichromacy



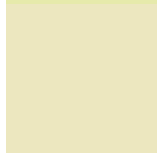
Original Color

63.8471, 79.1560, 52.4710



Protanomaly

69.4066, 78.6089, 50.0430



Deuteranomaly

72.5720, 78.7463, 60.6648



Tritanomaly

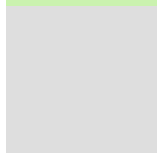
69.8931, 79.0203, 81.3807

Monochromacy



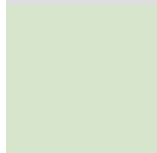
Original Color

63.8471, 79.1560, 52.4710



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.0631, 74.8935, 68.6789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8471, 79.1560, 52.4710 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, 242, 175)` looks like.

```
.text, #text, p{  
    color:rgb(202, 242, 175)  
}
```

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, 242, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 175) }
```

Border

The CSS property to change the border of an element to XYZ 63.8471, 79.1560, 52.4710 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, 242, 175) }
```


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

```
.border{ border-color:rgb(202, 242, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 242, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 242, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 242, 175);  
box-shadow:4px 4px 4px 4px rgb(202, 242,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8471, 79.1560, 52.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 242, 175) }
```

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

```
.background{ background-color: rgb(202,  
242, 175) }
```

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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