

Converting Colors

XYZ(62.8709, 78.1995, 49.6316)

Have a look what the booklet for
XYZ(62.8709, 78.1995, 49.6316)
contains.

XYZ(63.0681, 78.3694, 49.8330)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.0681, 78.3694,
49.8330)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF1AA
RGB	202, 241, 170
RGB Percent	79%, 95%, 67%
CMY	0.2078, 0.0549, 0.3333
CMYK	0.16, 0.00, 0.29, 0.05
HSL	93°, 72%, 81%
HSV	93°, 29%, 95%
XYZ	63.0681, 78.3694, 49.8330
YIQ	221.2450, -0.4530, -30.3490

Conversions

Conversions Part 2

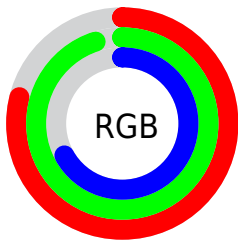
Format	Color
RYB	170, 241, 209
Decimal	13300138
CIELab	90.95, -24.88, 30.27
CIELCh	91, 39.176, 129.418
Yxy	78.3694, 0.3297, 0.4097
Android (android.graphics.Color)	4291490218 (0xFFCAF1AA)
YUV	221.2450, -25.2638, -16.8779
Hunter-Lab	88.5265, -27.7543, 28.5932

Details

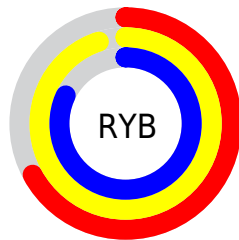
The XYZ color **63.0681, 78.3694, 49.8330** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.5497, 48.6579, 89.6347**, and the grayscale version is **69.0733, 72.6705, 79.1382**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **32.5925, 42.1853, 23.2544** is the 20% darker color. If you saturate the color by 10%, you get **57.5647, 75.7744, 38.7460**, and if you desaturate by 10%, it is **69.3009, 81.2969, 63.1389**.

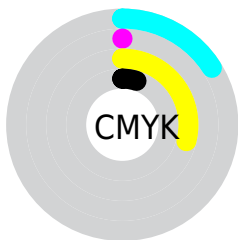
Distribution



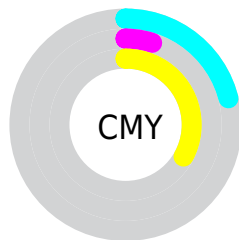
- Red (79%)
- Green (95%)
- Blue (67%)



- Red (67%)
- Yellow (95%)
- Blue (82%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (5%)





- Cyan (21%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0681, 78.3694, 49.8330 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 63.0681, 78.3694, 49.8330 by changing the saturation by 10% instead.


 63.0681, 78.3694,
49.8330

 63.0681, 78.3694,
49.8330


425.4723,
489.4204, 402.7289

 46.1552, 58.3775,
34.9105


 108.3490,
131.0707, 91.3211

 32.5734, 42.1122,
23.3109


137.4477,
164.5489, 118.7238

 21.9575, 29.1892,
14.6158


171.3390,
203.2913, 151.1237

 13.9421, 19.2240,
8.4066

210.3883,
247.6824, 188.9392

 8.1619, 11.8322,
4.2647

254.9609,
298.1064, 232.5889

 4.2514, 6.6295,
1.7717


305.4222,


 1.8453, 3.2315,


354.9478, 282.4914


0.4092


362.1376,
418.5910, 339.0652

 0.5447, 1.2538,
0.0000


 0.0000, 0.1050,
0.0000

 63.0681, 78.3694,
49.8330


 63.0681, 78.3694,
49.8330


 57.5647, 75.7744,
38.7460


 69.3009, 81.2969,
63.1389


 52.7540, 73.4885,
29.7521

 76.2856, 84.5589,
78.7702

 48.6051, 71.5010,
22.7206

 84.0511, 88.1704,
96.8326

 45.0818, 69.7965,
17.5042

 90.7315, 91.3858,
107.4649

■ 42.1434, 68.3576,
13.9345

■ 90.7469, 91.3938,
107.4656

■ 39.7429, 67.1646,
11.8118

■ 37.8107, 66.1885,
10.8201

■ 37.7159, 66.1404,
10.7785

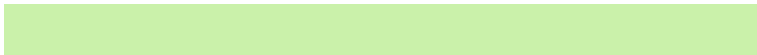
Harmonies

Analogous

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



71.4232, 78.3694, 42.1359



63.0681, 78.3694, 49.8330



58.0860, 78.3694, 67.6032

Triad

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



63.0681, 78.3694, 49.8330



68.0090, 78.3694, 147.0466



94.8373, 78.3694, 76.7370

Complementary

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



63.0681, 78.3694, 49.8330



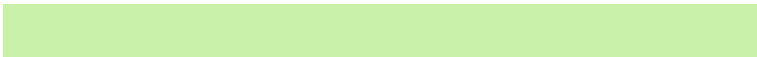
56.5497, 48.6579, 89.6347

Split Complementary

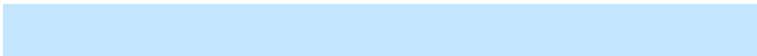
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.7184, 78.3694, 105.9149



63.0681, 78.3694, 49.8330



77.6387, 78.3694, 151.0181

Square

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



63.0681, 78.3694, 49.8330



60.7588, 78.3694, 124.7346



87.2089, 78.3694, 134.6217



90.1432, 78.3694, 55.2453

Rectangle

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



63.0681, 78.3694, 49.8330



57.0659, 78.3694, 84.7796



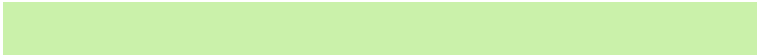
87.2089, 78.3694, 134.6217



95.1372, 78.3694, 85.8847

Sweetspot

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



63.0701, 78.3728, 49.8347



87.0855, 96.2958, 90.3782



66.0577, 66.6528, 47.4150



18.3790, 20.4897, 18.7496



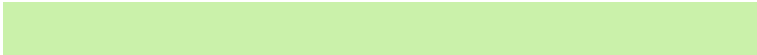
0.0000, 0.0000, 0.0000



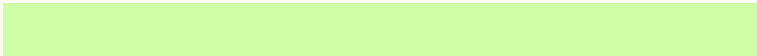
20.3446, 21.4041, 23.3091

Same Dimension

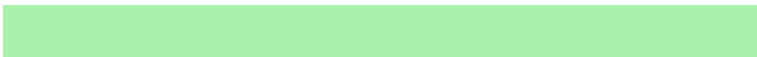
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.0701, 78.3728, 49.8347



68.0657, 87.3817, 49.2352



55.5169, 74.4529, 50.6606



16.2424, 18.0051, 16.7690



20.6020, 35.9423, 5.8517



1.8269, 3.0483, 0.4921

Inverse Universe

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



56.5497, 48.6579, 89.6347



59.6001, 48.8152, 100.8887



66.1793, 53.6627, 88.2516



15.7274, 15.6567, 19.9147



13.9609, 6.2025, 45.5893



1.2759, 0.5750, 3.7980

Previews

White Background



This preview shows how the XYZ color 63.0681, 78.3694, 49.8330 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 63.0681, 78.3694, 49.8330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

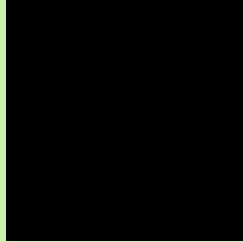
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0681, 78.3694, 49.8330

Background



This preview shows how black text looks on a background with the XYZ color 63.0681, 78.3694, 49.8330.

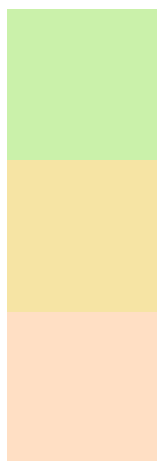


This preview shows how white text looks on a background with the XYZ color 63.0681, 78.3694,

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

63.0681, 78.3694, 49.8330

Protanopia

72.4503, 77.7600, 46.3126

Deuteranopia

77.5915, 78.0209, 63.1946



Tritanopia

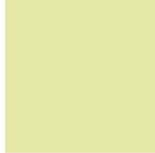
73.4064, 78.2875, 100.8646

Trichromacy



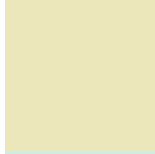
Original Color

63.0681, 78.3694, 49.8330



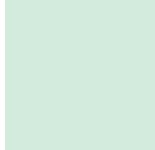
Protanomaly

68.6550, 77.8540, 47.4852



Deuteranomaly

71.8585, 78.0144, 58.2846



Tritanomaly

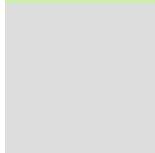
69.2049, 78.2856, 79.1733

Monochromacy



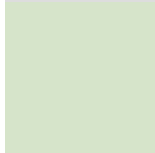
Original Color

63.0681, 78.3694, 49.8330



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.1356, 74.0472, 66.6839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0681, 78.3694, 49.8330 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, 241, 170)` looks like.

```
.text, #text, p{  
    color:rgb(202, 241, 170)  
}
```

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, 241, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 241, 170) }
```

Border

The CSS property to change the border of an element to XYZ 63.0681, 78.3694, 49.8330 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, 241, 170) }
```


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

```
.border{ border-color:rgb(202, 241, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 241, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 241, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 241, 170);  
box-shadow:4px 4px 4px 4px rgb(202, 241,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0681, 78.3694, 49.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 241, 170) }
```

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

```
.background{ background-color: rgb(202,  
241, 170) }
```

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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