

# Converting Colors

XYZ(61.8048, 81.1827, 50.9771)

Have a look what the booklet for  
XYZ(61.8048, 81.1827, 50.9771)  
contains.

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# Color

**XYZ(61.9654, 81.3830,  
50.9706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCF9AB
RGB	188, 249, 171
RGB Percent	74%, 98%, 67%
CMY	0.2627, 0.0235, 0.3294
CMYK	0.24, 0.00, 0.31, 0.02
HSL	107°, 87%, 82%
HSV	107°, 31%, 98%
XYZ	61.9654, 81.3830, 50.9706
YIQ	221.8690, -11.3180, -37.1900

# Conversions

## Conversions Part 2

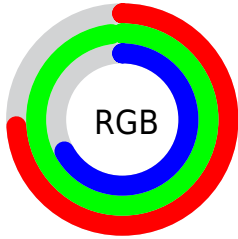
Format	Color
<a href="#">RYB</a>	<a href="#">171, 249, 232</a>
Decimal	<a href="#">12384683</a>
CIELab	<a href="#">92.30, -33.27, 31.44</a>
CIELCh	<a href="#">92, 45.770, 136.622</a>
Yxy	<a href="#">81.3830, 0.3189, 0.4188</a>
Android (android.graphics.Color)	<a href="#">4290574763 (0xFFBCF9AB)</a>
YUV	<a href="#">221.8690, -25.0784, -29.7031</a>
Hunter-Lab	<a href="#">90.2125, -35.2634, 29.6496</a>

# Details

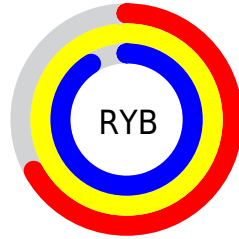
The XYZ color **61.9654, 81.3830, 50.9706** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.9440, 53.1235, 96.4578**, and the grayscale version is **69.5176, 73.1380, 79.6472**.

A 20% lighter version of the original color is **87.2813, 96.4785, 86.6950**, and **31.7925, 43.9938, 23.9556** is the 20% darker color. If you saturate the color by 10%, you get **55.3344, 78.2159, 39.4164**, and if you desaturate by 10%, it is **69.6951, 85.0697, 64.9134**.

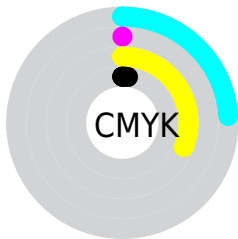
# Distribution



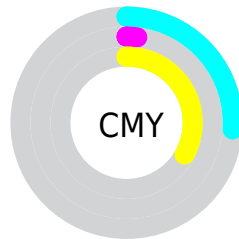
- Red (74%)
- Green (98%)
- Blue (67%)



- Red (67%)
- Yellow (98%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)




- Cyan (26%)
- Magenta (2%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9654, 81.3830, 50.9706 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 61.9654, 81.3830, 50.9706 by changing the saturation by 10% instead.





 61.9654, 81.3830,  
50.9706

 61.9654, 81.3830,  
50.9706


421.5244,  
499.5815, 407.2928

 45.2602, 60.8571,  
35.8086


 106.7657,  
135.3084, 93.0224

 31.8646, 44.1098,  
23.9979


135.5916,  
169.4767, 120.7493

 21.4131, 30.7569,  
15.1199


169.1885,  
208.9613, 153.5016

 13.5405, 20.4138,  
8.7560

207.9216,  
254.1464, 191.6978

 7.8813, 12.6962,  
4.4878

252.1564,  
305.4167, 235.7565

 4.0703, 7.2197,  
1.8966


302.2583,


 1.7420, 3.5999,


363.1563, 286.0962


0.4905


358.5925,  
427.7498, 343.1355


 0.4823, 1.4523,  
0.0000


 0.0000, 0.2548,  
0.0000


 61.9654, 81.3830,  
50.9706


 61.9654, 81.3830,  
50.9706


 55.3344, 78.2159,  
39.4164


 69.6951, 85.0697,  
64.9134


 49.7449, 75.5346,  
30.1118

 78.5648, 89.2873,  
81.3627

 45.1439, 73.3173,  
22.9114

 88.6212, 94.0598,  
100.4352

 41.4709, 71.5364,  
17.6510

 93.1673, 96.2346,  
108.2724

■ 38.6584, 70.1613,  
14.1417

■ 36.6283, 69.1565,  
12.1570

■ 35.4128, 68.5462,  
11.3643

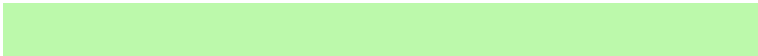
# Harmonies

## Analogous

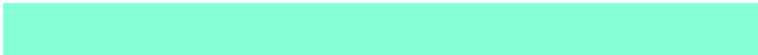
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0245, 81.3830, 39.6912



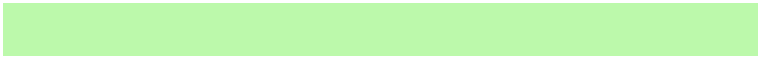
61.9654, 81.3830, 50.9706



57.2615, 81.3830, 74.3746

# Triad

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



61.9654, 81.3830, 50.9706



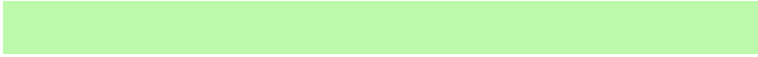
72.2063, 81.3830, 168.3233



101.2660, 81.3830, 71.2490

# Complementary

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



61.9654, 81.3830, 50.9706



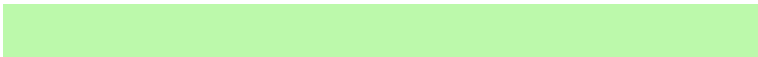
64.9440, 53.1235, 96.4578

# Split Complementary

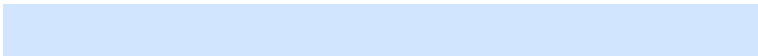
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.6654, 81.3830, 104.5599



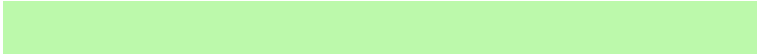
61.9654, 81.3830, 50.9706



84.0448, 81.3830, 166.8631

# Square

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



61.9654, 81.3830, 50.9706



62.7543, 81.3830, 144.9125



95.0958, 81.3830, 141.3220

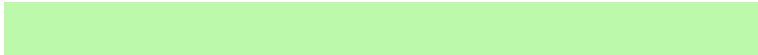


94.0544, 81.3830, 49.1877



# Rectangle

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



61.9654, 81.3830, 50.9706



56.8813, 81.3830, 96.3409



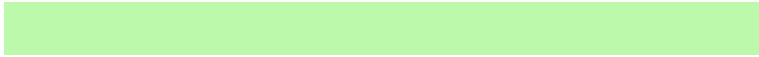
95.0958, 81.3830, 141.3220



102.2251, 81.3830, 81.3084

# Sweetspot

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



61.9675, 81.3865, 50.9724



85.2748, 95.3624, 90.2935



74.9410, 80.1236, 50.0448



17.9349, 20.2607, 18.7288



0.0000, 0.0000, 0.0000

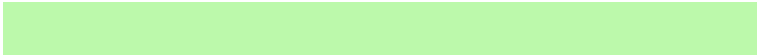


20.3446, 21.4041, 23.3091

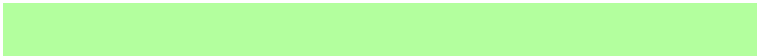


# Same Dimension

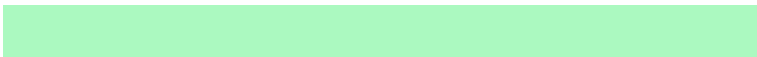
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.9675, 81.3865, 50.9724



60.5807, 83.6016, 45.3367



60.1650, 80.2099, 62.0659



17.3710, 19.4915, 18.3091



19.0524, 36.7402, 6.0874



1.8504, 3.4470, 0.5678



# Inverse Universe

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



64.9440, 53.1235, 96.4578



64.1873, 49.1805, 100.7175



67.6642, 54.8802, 80.5744



17.6012, 17.3226, 21.8012



21.2893, 9.9177, 48.7658

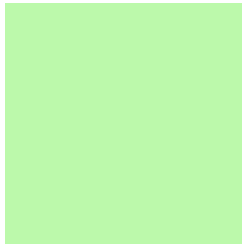


2.0602, 0.9641, 4.5207



# Previews

## White Background



This preview shows how the XYZ color 61.9654, 81.3830, 50.9706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

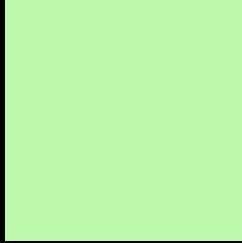
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9654, 81.3830, 50.9706 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 61.9654, 81.3830, 50.9706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.9654, 81.3830, 50.9706.



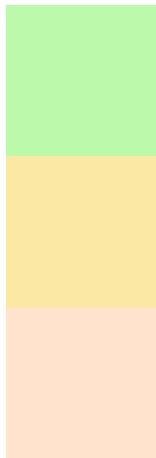
This preview shows how white text looks on a background with the XYZ color 61.9654, 81.3830,

50.9706.

# 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

61.9654, 81.3830, 50.9706

### Protanopia

74.9818, 80.7176, 46.7500

### Deuteranopia

79.7285, 80.6059, 69.1140



## Tritanopia

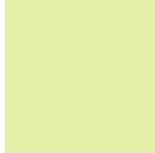
73.8014, 81.3482, 106.4198

# Trichromacy



## Original Color

61.9654, 81.3830, 50.9706



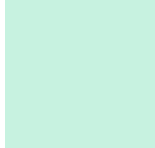
## Protanomaly

69.2281, 80.2700, 48.4042



## Deuteranomaly

72.2890, 80.2558, 62.1330



## Tritanomaly

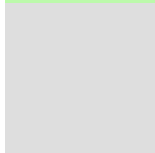
68.7599, 81.0282, 82.5370

# Monochromacy



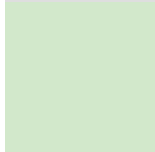
## Original Color

61.9654, 81.3830, 50.9706



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

66.2144, 75.7267, 67.6267

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9654, 81.3830, 50.9706 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(188, 249, 171)` looks like.

```
.text, #text, p{  
    color:rgb(188, 249, 171)  
}
```

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(188, 249, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 249, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9654, 81.3830, 50.9706 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(188, 249, 171) }
```



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

```
.border{ border-color:rgb(188, 249, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 249, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 249, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 249, 171);  
box-shadow:4px 4px 4px 4px rgb(188, 249,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9654, 81.3830, 50.9706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 249, 171) }
```

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

```
.background{ background-color: rgb(188,  
249, 171) }
```

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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