

Converting Colors

XYZ(61.5589, 80.3180, 49.8200)

Have a look what the booklet for
XYZ(61.5589, 80.3180, 49.8200)
contains.

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Color

**XYZ(61.4085, 80.2049,
49.7806)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF7A9
RGB	189, 247, 169
RGB Percent	74%, 97%, 66%
CMY	0.2588, 0.0314, 0.3372
CMYK	0.23, 0.00, 0.32, 0.03
HSL	105°, 83%, 82%
HSV	105°, 32%, 97%
XYZ	61.4085, 80.2049, 49.7806
YIQ	220.7660, -9.5300, -36.5540

Conversions

Conversions Part 2

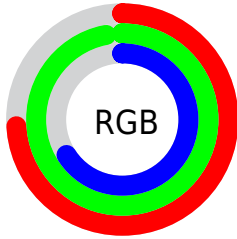
Format	Color
RYB	169, 247, 227
Decimal	12449705
CIELab	91.78, -32.31, 31.75
CIELCh	92, 45.295, 135.500
Yxy	80.2049, 0.3208, 0.4191
Android (android.graphics.Color)	4290639785 (0xFFBDF7A9)
YUV	220.7660, -25.5206, -27.8588
Hunter-Lab	89.5572, -34.3294, 29.7335

Details

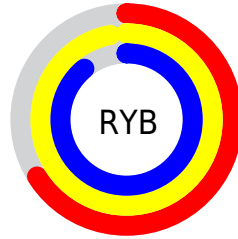
The XYZ color **61.4085, 80.2049, 49.7806** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.6583, 51.4245, 94.6234**, and the grayscale version is **68.7430, 72.3230, 78.7597**.

A 20% lighter version of the original color is **87.3566, 96.5491, 85.2658**, and **31.3974, 43.1562, 23.1982** is the 20% darker color. If you saturate the color by 10%, you get **55.0344, 77.1644, 38.5003**, and if you desaturate by 10%, it is **68.8019, 83.7250, 63.3985**.

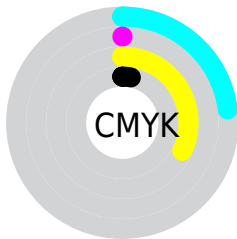
Distribution



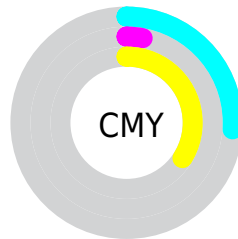
- Red (74%)
- Green (97%)
- Blue (66%)



- Red (66%)
- Yellow (97%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)



- Cyan (26%)
- Magenta (3%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4085, 80.2049, 49.7806 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 61.4085, 80.2049, 49.7806 by changing the saturation by 10% instead.

61.4085, 80.2049,
49.7806

61.4085, 80.2049,
49.7806

419.5222,
495.6231, 402.5178

44.8087, 59.8870,
34.8691

105.9650,
133.6538, 91.2427

31.5074, 43.3275,
23.2793

134.6523,
167.5535, 118.6304

21.1393, 30.1422,
14.5927

168.0996,
206.7493, 151.0139

13.3389, 19.9465,
8.3906

206.6722,
251.6256, 188.8118

7.7409, 12.3562,
4.2545

250.7354,
302.5667, 232.4426

3.9800, 6.9867,
1.7660

300.6545,


1.6908, 3.4538,


359.9571, 282.3248


0.4054


356.7950,
424.1811, 338.8770


 0.4505, 1.3730,
0.0000


 0.0000, 0.1967,
0.0000


 61.4085, 80.2049,
49.7806


 61.4085, 80.2049,
49.7806


 55.0344, 77.1644,
38.5003


 68.8019, 83.7250,
63.3985


 49.6271, 74.5722,
29.4210

 77.2516, 87.7340,
79.4695

 45.1387, 72.4091,
22.4001

 86.8001, 92.2538,
98.1082

 41.5144, 70.6504,
17.2764

 92.5524, 95.0047,
108.0675

■ 38.6928, 69.2684,
13.8642

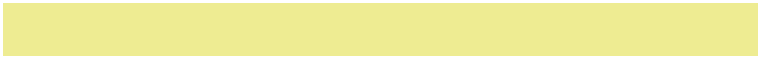
■ 36.6033, 68.2316,
11.9406

■ 35.3333, 67.5923,
11.1844

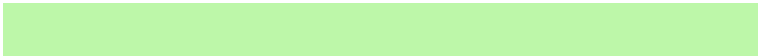
Harmonies

Analogous

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



70.4274, 80.2049, 39.1142



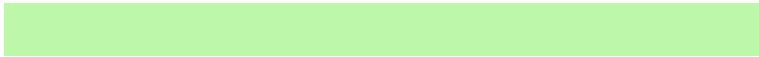
61.4085, 80.2049, 49.7806



56.6180, 80.2049, 72.2958

Triad

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



61.4085, 80.2049, 49.7806



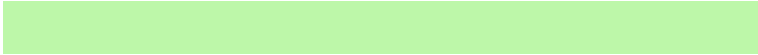
70.7844, 80.2049, 164.8942



99.8018, 80.2049, 71.3512

Complementary

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



61.4085, 80.2049, 49.7806



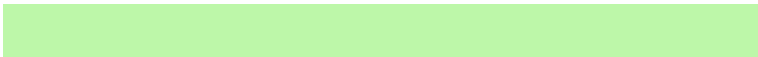
62.6583, 51.4245, 94.6234

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.



99.9224, 80.2049, 104.3149



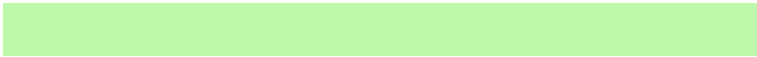
61.4085, 80.2049, 49.7806



82.3479, 80.2049, 164.4541

Square

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



61.4085, 80.2049, 49.7806



61.6470, 80.2049, 141.2559



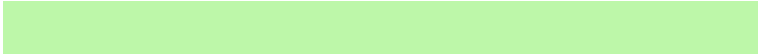
93.2683, 80.2049, 140.1732



92.9539, 80.2049, 49.2410

Rectangle

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



61.4085, 80.2049, 49.7806



56.1211, 80.2049, 93.5942



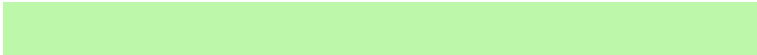
93.2683, 80.2049, 140.1732



100.6519, 80.2049, 81.3508

Sweetspot

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



61.4106, 80.2083, 49.7824



85.5703, 95.5148, 90.3073



72.7733, 77.1437, 48.5919



18.0072, 20.2980, 18.7322



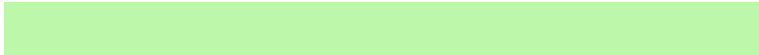
0.0000, 0.0000, 0.0000



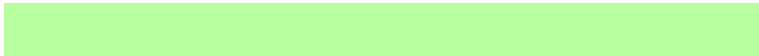
20.3446, 21.4041, 23.3091

Same Dimension

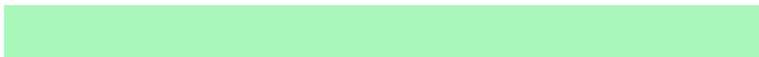
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.4106, 80.2083, 49.7824



61.4552, 84.0524, 45.3776



58.6164, 78.5566, 59.2013



16.6804, 18.6773, 17.5235



18.7966, 35.8028, 5.9199



1.7436, 3.1939, 0.5246

Inverse Universe

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



62.6583, 51.4245, 94.6234



62.9772, 48.5567, 100.6609



66.6636, 53.7981, 80.8563



16.7746, 16.5420, 20.8514



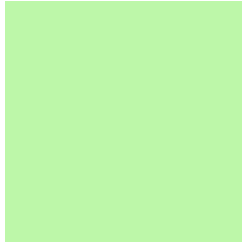
19.4304, 8.9911, 47.2494



1.8025, 0.8391, 4.1572

Previews

White Background



This preview shows how the XYZ color 61.4085, 80.2049, 49.7806 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 61.4085, 80.2049, 49.7806 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

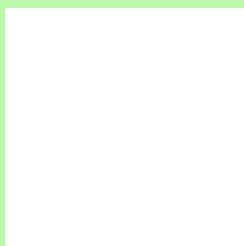
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.4085, 80.2049, 49.7806

Background



This preview shows how black text looks on a background with the XYZ color 61.4085, 80.2049, 49.7806.

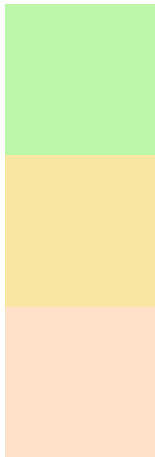


This preview shows how white text looks on a background with the XYZ color 61.4085, 80.2049,

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

61.4085, 80.2049, 49.7806

Protanopia

73.8853, 79.3420, 45.6028

Deuteranopia

78.7078, 79.3275, 66.4217



Tritanopia

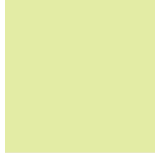
72.6741, 79.9074, 106.2011

Trichromacy



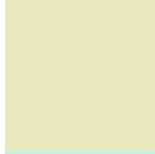
Original Color

61.4085, 80.2049, 49.7806



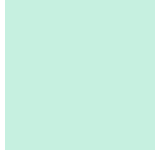
Protanomaly

68.4655, 79.0384, 47.2447



Deuteranomaly

71.2792, 78.9409, 59.6244



Tritanomaly

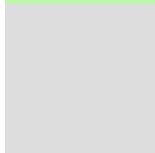
67.9033, 79.7078, 82.3273

Monochromacy



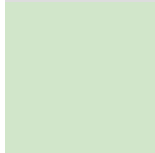
Original Color

61.4085, 80.2049, 49.7806



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.2520, 74.4132, 66.8012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4085, 80.2049, 49.7806 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(189, 247, 169)` looks like.

```
.text, #text, p{  
    color:rgb(189, 247, 169)  
}
```

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(189, 247, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 247, 169) }
```

Border

The CSS property to change the border of an element to XYZ 61.4085, 80.2049, 49.7806 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(189, 247, 169) }
```


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

```
.border{ border-color:rgb(189, 247, 169) }
```

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

Here you see how a box with a 4 pixel rgb(189, 247, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 247, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 247, 169);  
box-shadow:4px 4px 4px 4px rgb(189, 247,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4085, 80.2049, 49.7806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 247, 169) }
```

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

```
.background{ background-color: rgb(189,  
247, 169) }
```

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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