

Converting Colors

XYZ(61.2573, 81.6027, 44.8812)

Have a look what the booklet for
XYZ(61.2573, 81.6027, 44.8812)
contains.

XYZ(61.3434, 81.6587, 44.8763)	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(61.3434, 81.6587,
44.8763)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFA9E
RGB	189, 250, 158
RGB Percent	74%, 98%, 62%
CMY	0.2588, 0.0196, 0.3804
CMYK	0.24, 0.00, 0.37, 0.02
HSL	100°, 90%, 80%
HSV	100°, 37%, 98%
XYZ	61.3434, 81.6587, 44.8763
YIQ	221.2730, -6.8240, -41.5440

Conversions

Conversions Part 2

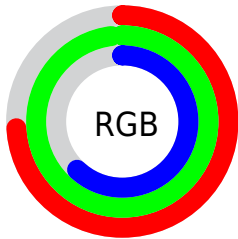
Format	Color
RYB	158, 250, 219
Decimal	12450462
CIELab	92.42, -35.25, 38.10
CIElCh	92, 51.904, 132.775
Yxy	81.6587, 0.3265, 0.4346
Android (android.graphics.Color)	4290640542 (0xFFBDFA9E)
YUV	221.2730, -31.1936, -28.3034
Hunter-Lab	90.3652, -36.9664, 33.8116

Details

The XYZ color **61.3434, 81.6587, 44.8763** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.6993, 46.4184, 96.3129**, and the grayscale version is **69.1367, 72.7372, 79.2108**.

A 20% lighter version of the original color is **86.1280, 96.0983, 76.9602**, and **31.4513, 44.2282, 20.2438** is the 20% darker color. If you saturate the color by 10%, you get **55.5274, 78.8868, 34.4911**, and if you desaturate by 10%, it is **68.0714, 84.8551, 57.5924**.

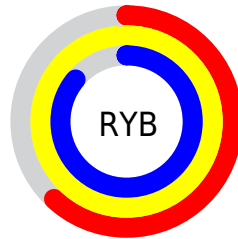
Distribution



Red (74%)

Green (98%)

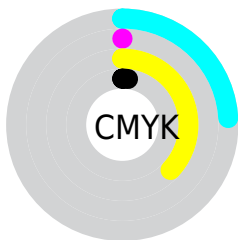
Blue (62%)



Red (62%)

Yellow (98%)

Blue (86%)

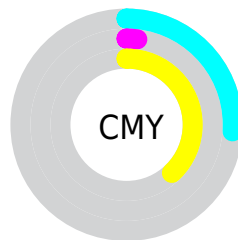


Cyan (24%)

Magenta (0%)

Yellow (37%)

Black (2%)



Cyan (26%)


Magenta (2%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.3434, 81.6587, 44.8763 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 61.3434, 81.6587, 44.8763 by changing the saturation by 10% instead.


 61.3434, 81.6587,
44.8763


 61.3434, 81.6587,
44.8763


419.2878,
500.5053, 382.4178

 44.7560, 61.0842,
31.0178


 105.8713,
135.6953, 83.8512

 31.4657, 44.2932,
20.3538


 134.5425,
169.9262, 109.8047

 21.1073, 30.9010,
12.4659

167.9722,
209.4781, 140.6269

 13.3154, 20.5235,
6.9354

206.5260,
254.7353, 176.7364

 7.7246, 12.7762,
3.3439

250.5691,
306.0822, 218.5517

 3.9695, 7.2746,
1.2728

300.4668,

 1.6849, 3.6344,

363.9033, 266.4913

0.0393

356.5846,
428.5828, 320.9739

0.4468, 1.4712,
0.0000

0.0000, 0.2684,
0.0000

61.3434, 81.6587,
44.8763

61.3434, 81.6587,
44.8763

55.5274, 78.8868,
34.4911

68.0714, 84.8551,
57.5924

50.5746, 76.5099,
26.2901

75.7447, 88.4830,
72.7637

46.4410, 74.5113,
20.1182

84.4022, 92.5623,
90.5118

43.0753, 72.8683,
15.7977

93.4773, 96.8546,
108.3758

■ 40.4192, 71.5556,
13.1201

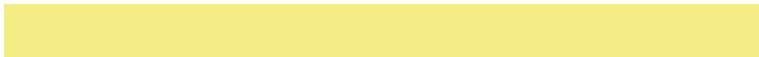
■ 38.4026, 70.5427,
11.8218

■ 37.8643, 70.2702,
11.5679

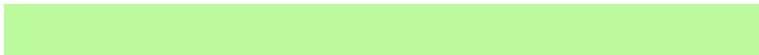
Harmonies

Analogous

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



72.0352, 81.6587, 34.4773



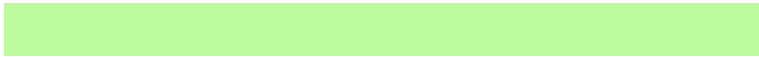
61.3434, 81.6587, 44.8763



55.4415, 81.6587, 68.7347

Triad

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



61.3434, 81.6587, 44.8763



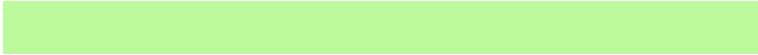
70.2054, 81.6587, 180.0707



105.6643, 81.6587, 73.5209

Complementary

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



61.3434, 81.6587, 44.8763



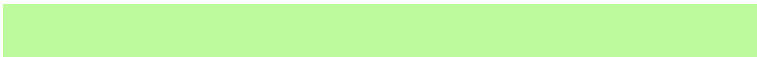
58.6993, 46.4184, 96.3129

Split Complementary

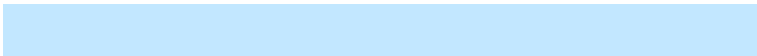
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.0272, 81.6587, 112.6967



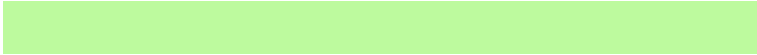
61.3434, 81.6587, 44.8763



83.4739, 81.6587, 182.4639

Square

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



61.3434, 81.6587, 44.8763



60.1376, 81.6587, 149.2889



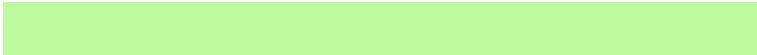
96.5341, 81.6587, 155.1078



98.1857, 81.6587, 47.5039

Rectangle

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



61.3434, 81.6587, 44.8763



54.5438, 81.6587, 92.5463



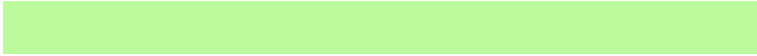
96.5341, 81.6587, 155.1078



106.4152, 81.6587, 85.3750

Sweetspot

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



61.3455, 81.6622, 44.8781



84.3435, 94.9648, 86.5215



70.6188, 72.8352, 42.6855



17.7896, 20.2023, 17.9791



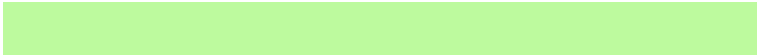
0.0000, 0.0000, 0.0000



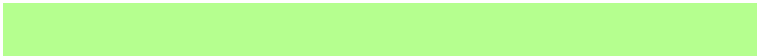
20.3446, 21.4041, 23.3091

Same Dimension

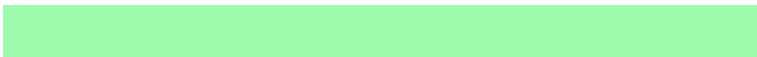
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.3455, 81.6622, 44.8781



59.6658, 83.2729, 38.8358



55.7159, 78.6150, 51.1683



17.5685, 19.5933, 18.3183



20.2201, 37.3421, 6.1420



1.9807, 3.5142, 0.5739

Inverse Universe

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



58.6993, 46.4184, 96.3129



56.5165, 41.5869, 99.6561



66.8238, 50.8477, 85.8058



17.3918, 17.2146, 21.7914



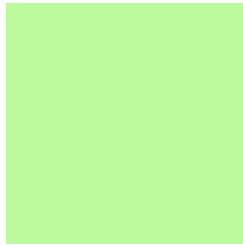
17.6282, 8.0303, 48.5945



1.7455, 0.8019, 4.5060

Previews

White Background



This preview shows how the XYZ color 61.3434, 81.6587, 44.8763 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 61.3434, 81.6587, 44.8763 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

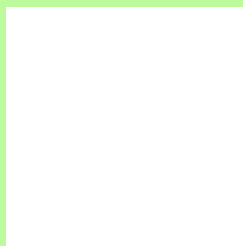
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.3434, 81.6587, 44.8763

Background



This preview shows how black text looks on a background with the XYZ color 61.3434, 81.6587, 44.8763.

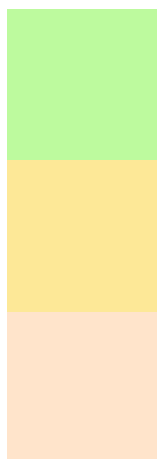


This preview shows how white text looks on a background with the XYZ color 61.3434, 81.6587,

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

61.3434, 81.6587, 44.8763

Protanopia

74.9505, 80.8302, 40.9296

Deuteranopia

79.7629, 81.0586, 67.9418



Tritanopia

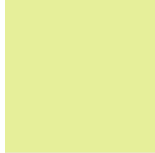
74.3567, 81.6345, 106.4458

Trichromacy



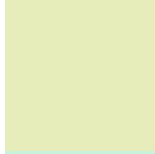
Original Color

61.3434, 81.6587, 44.8763



Protanomaly

69.3324, 80.8891, 42.5308



Deuteranomaly

71.9201, 80.5677, 58.7742



Tritanomaly

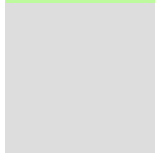
68.4898, 80.9509, 79.7254

Monochromacy



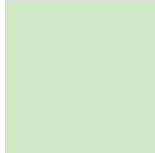
Original Color

61.3434, 81.6587, 44.8763



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.3442, 75.3458, 64.5253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3434, 81.6587, 44.8763 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, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(189, 250, 158)  
}
```

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, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 250, 158) }
```

Border

The CSS property to change the border of an element to XYZ 61.3434, 81.6587, 44.8763 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, 250, 158) }
```


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

```
.border{ border-color:rgb(189, 250, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 250, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 250, 158);  
box-shadow:4px 4px 4px 4px rgb(189, 250,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3434, 81.6587, 44.8763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 250, 158) }
```

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

```
.background{ background-color: rgb(189,  
250, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor