

Converting Colors

XYZ(61.9435, 84.4541, 38.6280)

Have a look what the booklet for
XYZ(61.9435, 84.4541, 38.6280)
contains.

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Color

**XYZ(61.8777, 84.4201,
38.6246)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFF8E
RGB	190, 255, 142
RGB Percent	75%, 100%, 56%
CMY	0.2549, 0.0000, 0.4431
CMYK	0.25, 0.00, 0.44, 0.00
HSL	95°, 100%, 78%
HSV	95°, 44%, 100%
XYZ	61.8777, 84.4201, 38.6246
YIQ	222.6830, -2.4670, -48.9230

Conversions

Conversions Part 2

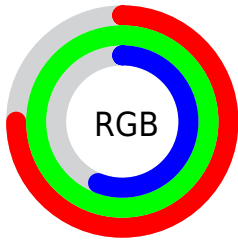
Format	Color
RYB	142, 255, 207
Decimal	12517262
CIELab	93.63, -39.21, 47.44
CIElCh	94, 61.548, 129.571
Yxy	84.4201, 0.3346, 0.4565
Android (android.graphics.Color)	4290707342 (0xFFBEFF8E)
YUV	222.6830, -39.7767, -28.6630
Hunter-Lab	91.8804, -40.5783, 39.3920

Details

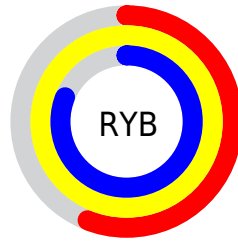
The XYZ color **61.8777, 84.4201, 38.6246** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.4563, 39.8327, 99.4788**, and the grayscale version is **70.1885, 73.8437, 80.4158**.

A 20% lighter version of the original color is **84.5494, 95.5077, 66.8019**, and **31.8288, 46.1778, 16.6868** is the 20% darker color. If you saturate the color by 10%, you get **56.6956, 81.9451, 29.5057**, and if you desaturate by 10%, it is **67.8673, 87.2608, 50.0696**.

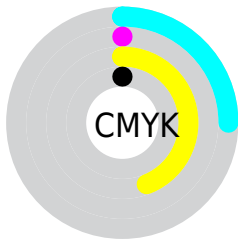
Distribution



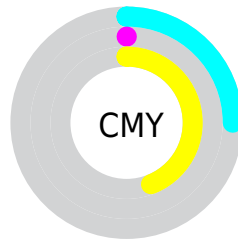
- Red (75%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (81%)



- Cyan (25%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8777, 84.4201, 38.6246 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 61.8777, 84.4201, 38.6246 by changing the saturation by 10% instead.


 61.8777, 84.4201,
38.6246

 61.8777, 84.4201,
38.6246


421.2095,
509.7072, 355.6700

 45.1891, 63.3623,
26.1622

 106.6397,
139.5627, 74.2785

 31.8083, 46.1344,
16.7182


 135.4438,
174.4163, 98.3071

 21.3700, 32.3519,
9.8739


169.0171,
214.6373, 127.0282

 13.5087, 21.6304,
5.2109

207.7250,
260.6101, 160.8603

 7.8592, 13.5856,
2.3107

251.9329,
312.7191, 200.2220

 4.0560, 7.8330,
0.7372


302.0060,


 1.7339, 3.9883,

371.3487, 245.5319

0.0000


358.3098,
436.8833, 297.2083


 0.4773, 1.6670,
0.0000


 0.0000, 0.4022,
0.0000


 61.8777, 84.4201,
38.6246


 61.8777, 84.4201,
38.6246


 56.6956, 81.9451,
29.5057


 67.8673, 87.2608,
50.0696


 52.2787, 79.8176,
22.5492

 74.7010, 90.4828,
63.9817

 48.5820, 78.0181,
17.5762

 82.4144, 94.1017,
80.4951

 45.5538, 76.5247,
14.3776

 91.0405, 98.1318,
99.7334

■ 43.1330, 75.3114, 95.0500, 100.0000,
12.6968 108.9000

■ 41.9828, 74.7280,
12.2112

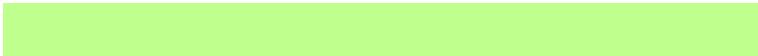
Harmonies

Analogous

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



75.1379, 84.4201, 28.7649



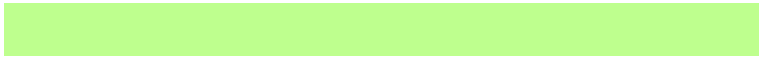
61.8777, 84.4201, 38.6246



54.2986, 84.4201, 64.0055

Triad

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



61.8777, 84.4201, 38.6246



69.7855, 84.4201, 204.3479



115.2949, 84.4201, 77.7833

Complementary

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



61.8777, 84.4201, 38.6246



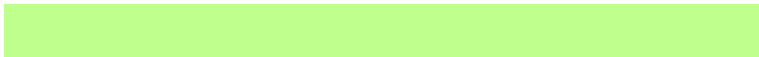
53.4563, 39.8327, 99.4788

Split Complementary

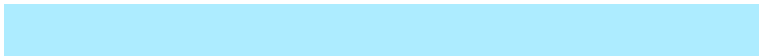
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.3508, 84.4201, 126.9567



61.8777, 84.4201, 38.6246



85.5654, 84.4201, 211.9301

Square

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



61.8777, 84.4201, 38.6246



58.4167, 84.4201, 161.8035



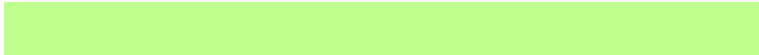
101.9141, 84.4201, 179.9577



106.9135, 84.4201, 45.7641

Rectangle

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



61.8777, 84.4201, 38.6246



52.7936, 84.4201, 91.2487



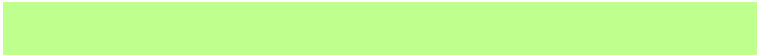
101.9141, 84.4201, 179.9577



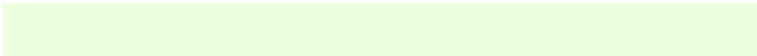
115.8504, 84.4201, 92.5929

Sweetspot

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



61.8781, 84.4203, 38.6259



83.4939, 94.6069, 82.8623



68.2024, 67.3724, 35.0019



17.4845, 20.0688, 16.8897



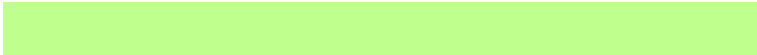
0.0000, 0.0000, 0.0000



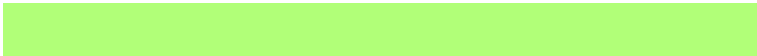
20.3446, 21.4041, 23.3091

Same Dimension

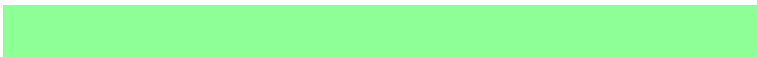
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.8781, 84.4203, 38.6259



57.3312, 82.2498, 30.5757



52.3836, 79.4582, 41.2348



18.5030, 20.5452, 19.1347



22.0990, 39.1305, 6.3882



2.2734, 3.8727, 0.6277

Inverse Universe

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



53.4563, 39.8327, 99.4788



47.9299, 32.5674, 98.3677



67.7741, 47.3512, 93.9415



18.0037, 17.8936, 22.7549



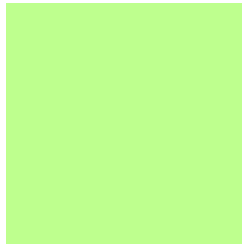
15.8636, 7.0885, 49.9667



1.6695, 0.7546, 4.8709

Previews

White Background



This preview shows how the XYZ color 61.8777, 84.4201, 38.6246 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 61.8777, 84.4201, 38.6246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

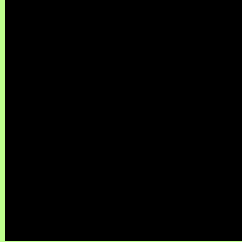
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

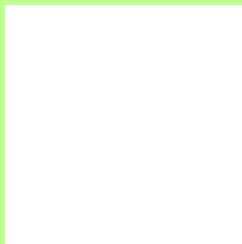
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.8777, 84.4201, 38.6246

Background



This preview shows how black text looks on a background with the XYZ color 61.8777, 84.4201, 38.6246.

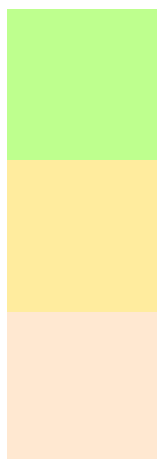


This preview shows how white text looks on a background with the XYZ color 61.8777, 84.4201,

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

61.8777, 84.4201, 38.6246

Protanopia

77.4070, 83.7195, 44.4275

Deuteranopia

81.6052, 83.5767, 72.1525



Tritanopia

77.2344, 83.9872, 106.7482

Trichromacy



Original Color

61.8777, 84.4201, 38.6246



Protanomaly

70.6731, 83.3571, 42.0704



Deuteranomaly

72.8720, 82.8119, 58.0425



Tritanomaly

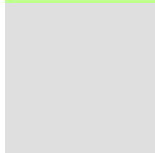
70.2436, 83.2817, 75.9911

Monochromacy



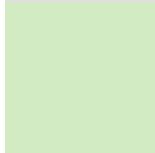
Original Color

61.8777, 84.4201, 38.6246



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.3099, 77.1606, 62.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8777, 84.4201, 38.6246 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(190, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 142)  
}
```

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(190, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 61.8777, 84.4201, 38.6246 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(190, 255, 142) }
```


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

```
.border{ border-color:rgb(190, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8777, 84.4201, 38.6246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 142) }
```

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

```
.background{ background-color: rgb(190,  
255, 142) }
```

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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