

Converting Colors

XYZ(74.7160, 111.7064,
39.5253)

Have a look what the booklet for
XYZ(74.7160, 111.7064, 39.5253)
contains.

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Color

**XYZ(60.9111, 84.0048,
34.8340)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFE84
RGB	189, 255, 132
RGB Percent	74%, 100%, 52%
CMY	0.2588, 0.0000, 0.4823
CMYK	0.26, 0.00, 0.48, 0.00
HSL	92°, 100%, 76%
HSV	92°, 48%, 100%
XYZ	60.9111, 84.0048, 34.8340
YIQ	221.2440, 0.1470, -52.2450

Conversions

Conversions Part 2

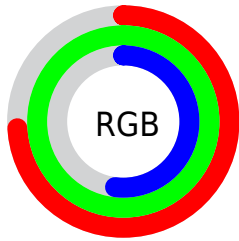
Format	Color
RYB	132, 255, 198
Decimal	12451716
CIELab	93.45, -40.70, 51.92
CIElCh	93, 65.975, 128.091
Yxy	84.0048, 0.3389, 0.4673
Android (android.graphics.Color)	4290641796 (0xFFBDF84)
YUV	221.2440, -43.9973, -28.2780
Hunter-Lab	91.6541, -41.7680, 41.6242

Details

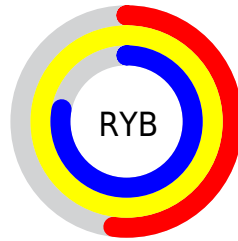
The XYZ color **60.9111, 84.0048, 34.8340** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.5914, 35.7297, 98.8905**, and the grayscale version is **69.1978, 72.8015, 79.2808**.

A 20% lighter version of the original color is **83.0874, 94.8820, 60.9486**, and **31.2782, 45.9392, 14.6158** is the 20% darker color. If you saturate the color by 10%, you get **56.1381, 81.7218, 26.5884**, and if you desaturate by 10%, it is **66.4313, 86.6236, 45.3428**.

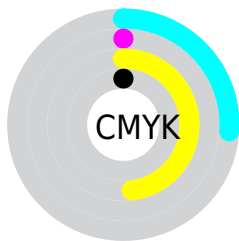
Distribution



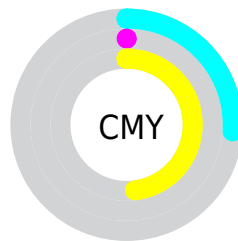
- Red (74%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (78%)



- Cyan (26%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.9111, 84.0048, 34.8340 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 60.9111, 84.0048, 34.8340 by changing the saturation by 10% instead.


 60.9111, 84.0048,
34.8340


 60.9111, 84.0048,
34.8340


417.7291,
508.3292, 338.7170


 44.4057, 63.0194,
23.2525


 105.2490,
138.9819, 68.3772

 31.1889, 45.8569,
14.5730


 133.8123,
173.7424, 91.1759

 20.8952, 32.1329,
8.3770


 167.1255,
213.8633, 118.5509

 13.1595, 21.4630,
4.2459

205.5541,
259.7292, 150.9205

 7.6162, 13.4629,
1.7612

249.4634,
311.7243, 188.7034

 3.9001, 7.7481,
0.4022

299.2188,

 1.6458, 3.9342,

370.2331, 232.3181

0.0000

355.1856,
435.6399, 282.1831

0.4220, 1.6368,
0.0000

0.0000, 0.3822,
0.0000

60.9111, 84.0048,
34.8340

60.9111, 84.0048,
34.8340

56.1381, 81.7218,
26.5884

66.4313, 86.6236,
45.3428

52.0712, 79.7572,
20.4355

72.7349, 89.5939,
58.2614

48.6654, 78.0919,
16.1863

79.8564, 92.9301,
73.7282

45.8685, 76.7040,
13.6164

87.8275, 96.6461,
91.8701

■ 43.6116, 75.5648, 95.0500, 100.0000,
12.4162 108.9000

■ 43.2539, 75.3832,
12.2707

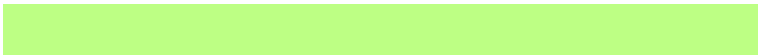
Harmonies

Analogous

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



75.2219, 84.0048, 25.5708



60.9111, 84.0048, 34.8340



52.6243, 84.0048, 60.1374

Triad

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



60.9111, 84.0048, 34.8340



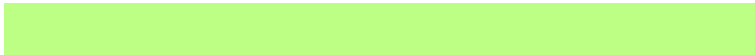
67.9859, 84.0048, 212.4606



117.8108, 84.0048, 78.6190

Complementary

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



60.9111, 84.0048, 34.8340



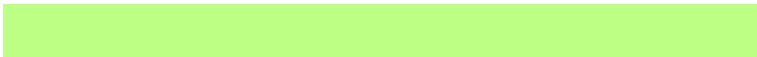
49.5914, 35.7297, 98.8905

Split Complementary

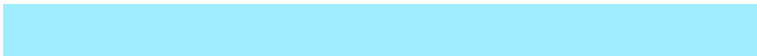
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.1280, 84.0048, 132.1359



60.9111, 84.0048, 34.8340



84.6517, 84.0048, 223.1115

Square

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



60.9111, 84.0048, 34.8340



56.2760, 84.0048, 164.3297



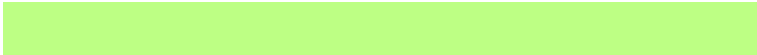
102.3424, 84.0048, 189.6492



109.2152, 84.0048, 44.1320

Rectangle

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



60.9111, 84.0048, 34.8340



50.8269, 84.0048, 88.3076



102.3424, 84.0048, 189.6492



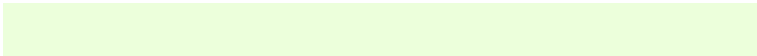
118.2193, 84.0048, 94.7007

Sweetspot

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



60.9113, 84.0048, 34.8352



83.1258, 94.4564, 81.0758



65.5082, 63.1323, 30.5641



17.4316, 20.0492, 16.5391



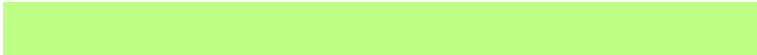
0.0000, 0.0000, 0.0000



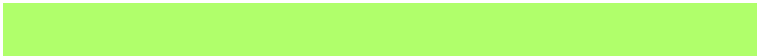
20.3446, 21.4041, 23.3091

Same Dimension

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



60.9113, 84.0048, 34.8352



56.2416, 81.7715, 26.7567



49.7275, 78.2063, 35.8055



18.5716, 20.5806, 19.1380



22.7693, 39.4761, 6.4196



2.3415, 3.9078, 0.6309

Inverse Universe

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



49.5914, 35.7297, 98.8905



43.6806, 28.2535, 97.7590



66.8886, 44.7222, 96.2911



17.9340, 17.8577, 22.7516



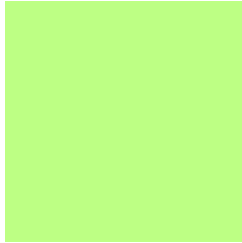
14.9821, 6.6340, 49.9254



1.5849, 0.7110, 4.8670

Previews

White Background



This preview shows how the XYZ color 60.9111, 84.0048, 34.8340 looks on a white background.

Color Contrast Check

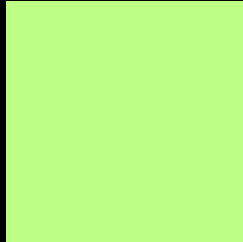
Large Text (above 18pt) WCAG AA × Fail

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 60.9111, 84.0048, 34.8340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

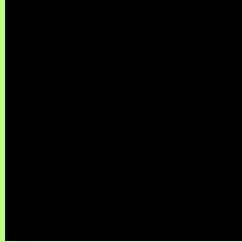
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

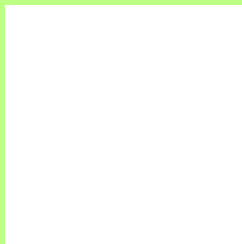
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.9111, 84.0048, 34.8340

Background



This preview shows how black text looks on a background with the XYZ color 60.9111, 84.0048, 34.8340.



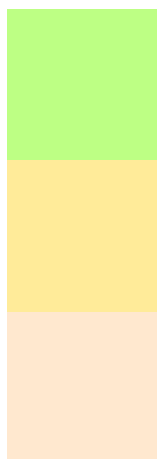
This preview shows how white text looks on a background with the XYZ color 60.9111, 84.0048,

34.8340.

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

60.9111, 84.0048, 34.8340

Protanopia

76.6981, 82.9766, 42.1106

Deuteranopia

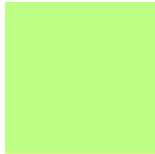
81.3591, 83.4782, 70.8563



Tritanopia

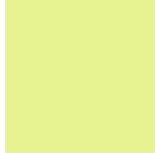
76.9416, 83.8363, 106.7345

Trichromacy



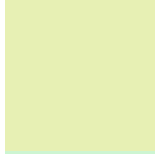
Original Color

60.9111, 84.0048, 34.8340



Protanomaly

69.8180, 82.5375, 39.0396



Deuteranomaly

72.3533, 82.6044, 55.3108



Tritanomaly

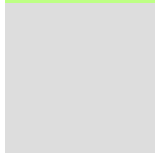
69.4621, 82.9371, 73.3202

Monochromacy



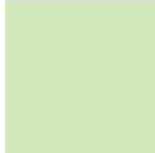
Original Color

60.9111, 84.0048, 34.8340



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

64.6187, 75.5073, 59.3127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.9111, 84.0048, 34.8340 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, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 132)  
}
```

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, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 60.9111, 84.0048, 34.8340 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, 255, 132) }
```


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

```
.border{ border-color:rgb(189, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 60.9111, 84.0048, 34.8340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 132) }
```

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

```
.background{ background-color: rgb(189,  
255, 132) }
```

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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