

Converting Colors

XYZ(72.0292, 104.8650,
37.4604)

Have a look what the booklet for
XYZ(72.0292, 104.8650, 37.4604)
contains.

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Color

**XYZ(61.7816, 84.4692,
34.1670)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FF82
RGB	193, 255, 130
RGB Percent	76%, 100%, 51%
CMY	0.2431, 0.0000, 0.4902
CMYK	0.24, 0.00, 0.49, 0.00
HSL	90°, 100%, 75%
HSV	90°, 49%, 100%
XYZ	61.7816, 84.4692, 34.1670
YIQ	222.2120, 3.1730, -52.0190

Conversions

Conversions Part 2

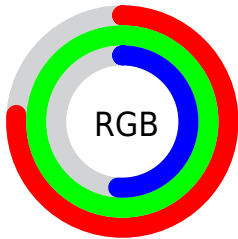
Format	Color
RYB	130, 255, 192
Decimal	12713858
CIELab	93.65, -39.52, 53.15
CIELCh	94, 66.235, 126.636
Yxy	84.4692, 0.3424, 0.4682
Android (android.graphics.Color)	4290903938 (0xFFC1FF82)
YUV	222.2120, -45.4605, -25.6189
Hunter-Lab	91.9071, -40.8466, 42.2936

Details

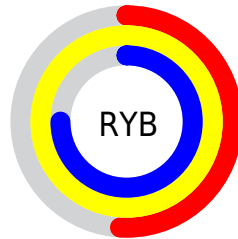
The XYZ color **61.7816, 84.4692, 34.1670** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.7721, 34.3930, 98.7284**, and the grayscale version is **69.8904, 73.5301, 80.0743**.

A 20% lighter version of the original color is **84.6618, 95.7182, 59.9123**, and **31.8502, 46.2424, 14.2682** is the 20% darker color. If you saturate the color by 10%, you get **57.1888, 82.2753, 26.0977**, and if you desaturate by 10%, it is **67.0749, 86.9751, 44.4851**.

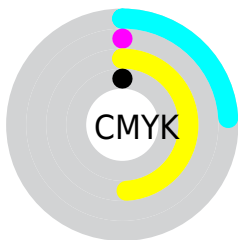
Distribution



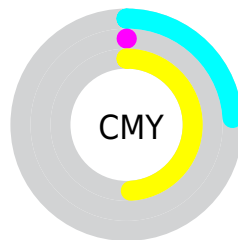
- Red (76%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (75%)



- Cyan (24%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.7816, 84.4692, 34.1670 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 61.7816, 84.4692, 34.1670 by changing the saturation by 10% instead.


 61.7816, 84.4692,
34.1670


 61.7816, 84.4692,
34.1670


420.8643,
509.8700, 335.6679

 45.1112, 63.4029,
22.7435


 106.5015,
139.6313, 67.3301

 31.7467, 46.1672,
14.2007


 135.2818,
174.4959, 89.9069

 21.3227, 32.3778,
8.1201


 168.8293,
214.7288, 117.0385

 13.4739, 21.6502,
4.0830

207.5095,
260.7142, 149.1435

 7.8349, 13.6001,
1.6710

251.6878,
312.8367, 186.6403

 4.0404, 7.8431,
0.3407

301.7294,

 1.7250, 3.9947,

371.4805, 229.9477

0.0000

357.9998,
437.0302, 279.4840

0.4719, 1.6706,
0.0000

0.0000, 0.4045,
0.0000

61.7816, 84.4692,
34.1670

61.7816, 84.4692,
34.1670

57.1888, 82.2753,
26.0977

67.0749, 86.9751,
44.4851

53.2568, 80.3769,
20.1051

73.1031, 89.8076,
57.1995

49.9424, 78.7557,
15.9983

79.8991, 92.9805,
72.4495

47.1949, 77.3907,
13.5493

87.4932, 96.5068,
90.3627

■ 44.9426, 76.2522, 95.0500, 100.0000,
12.4213 108.9000

■ 44.7400, 76.1494,
12.3403

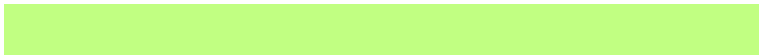
Harmonies

Analogous

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



76.4480, 84.4692, 25.4923



61.7816, 84.4692, 34.1670



53.1154, 84.4692, 58.7167

Triad

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



61.7816, 84.4692, 34.1670



67.6299, 84.4692, 212.3115



118.6957, 84.4692, 81.2485

Complementary

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



61.7816, 84.4692, 34.1670



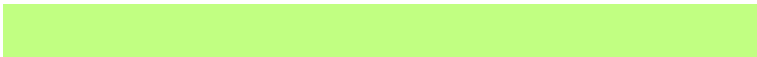
47.7721, 34.3930, 98.7284

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.



115.4277, 84.4692, 135.8810



61.7816, 84.4692, 34.1670



84.2492, 84.4692, 225.2808

Square

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



61.7816, 84.4692, 34.1670



56.1321, 84.4692, 162.5548



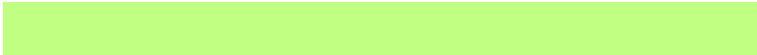
102.1578, 84.4692, 193.3925



110.5303, 84.4692, 45.5085

Rectangle

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



61.7816, 84.4692, 34.1670



51.0846, 84.4692, 86.4155



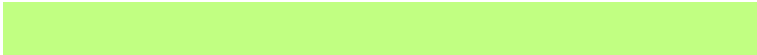
102.1578, 84.4692, 193.3925



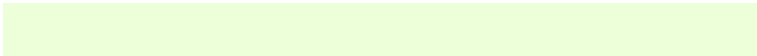
118.9137, 84.4692, 97.7630

Sweetspot

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



61.7818, 84.4693, 34.1682



82.8531, 94.3543, 79.3207



63.7737, 59.8802, 29.3171



17.3988, 20.0399, 16.1947



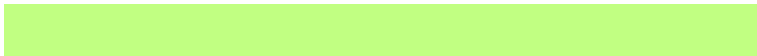
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



61.7818, 84.4693, 34.1682



57.1965, 82.2791, 26.1105



49.3188, 78.0443, 33.5850



18.6441, 20.6179, 19.1413



23.5501, 39.8786, 6.4561



2.4190, 3.9478, 0.6345

Inverse Universe

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



47.7721, 34.3930, 98.7284



41.6867, 26.8363, 97.5905



66.5108, 44.0532, 99.6054



17.8613, 17.8202, 22.7482



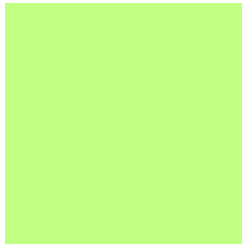
14.1365, 6.1981, 49.8859



1.5023, 0.6684, 4.8631

Previews

White Background



This preview shows how the XYZ color 61.7816, 84.4692, 34.1670 looks on a white background.

Color Contrast Check

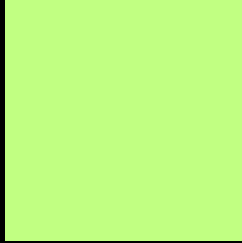
Large Text (above 18pt) WCAG AA × Fail

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 61.7816, 84.4692, 34.1670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

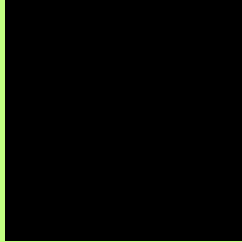
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

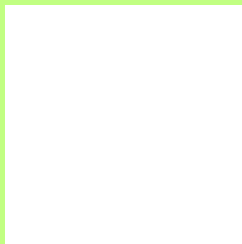
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.7816, 84.4692, 34.1670

Background



This preview shows how black text looks on a background with the XYZ color 61.7816, 84.4692, 34.1670.



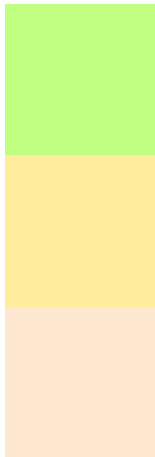
This preview shows how white text looks on a background with the XYZ color 61.7816, 84.4692,

34.1670.

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

61.7816, 84.4692, 34.1670

Protanopia

77.3213, 83.6852, 43.9759

Deuteranopia

81.4818, 83.5273, 71.5023



Tritanopia

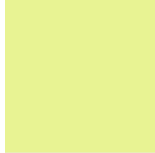
77.8254, 84.2919, 106.7759

Trichromacy



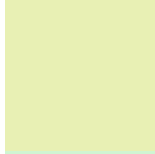
Original Color

61.7816, 84.4692, 34.1670



Protanomaly

70.5958, 83.3636, 39.9737



Deuteranomaly

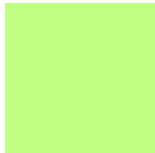
72.6770, 82.7713, 55.3260



Tritanomaly

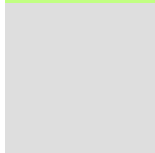
70.2977, 83.3679, 73.3593

Monochromacy



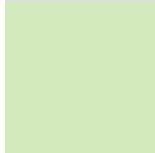
Original Color

61.7816, 84.4692, 34.1670



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.4721, 76.3686, 59.4340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.7816, 84.4692, 34.1670 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(193, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 130)  
}
```

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(193, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 130) }
```

Border

The CSS property to change the border of an element to XYZ 61.7816, 84.4692, 34.1670 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(193, 255, 130) }
```


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

```
.border{ border-color:rgb(193, 255, 130) }
```

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

Here you see how a box with a 4 pixel rgb(193, 255, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 61.7816, 84.4692, 34.1670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 130) }
```

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

```
.background{ background-color: rgb(193,  
255, 130) }
```

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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