

Converting Colors

XYZ(61.3438, 82.6257, 30.2438)

Have a look what the booklet for
XYZ(61.3438, 82.6257, 30.2438)
contains.

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Color

**XYZ(61.1157, 82.3320,
30.1233)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FB77
RGB	198, 251, 119
RGB Percent	78%, 98%, 47%
CMY	0.2235, 0.0157, 0.5333
CMYK	0.21, 0.00, 0.53, 0.02
HSL	84°, 94%, 73%
HSV	84°, 53%, 98%
XYZ	61.1157, 82.3320, 30.1233
YIQ	220.1050, 10.7840, -52.2880

Conversions

Conversions Part 2

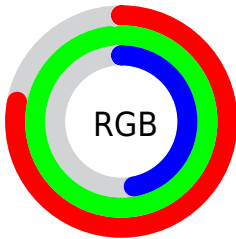
Format	Color
RYB	119, 251, 172
Decimal	13040503
CIELab	92.72, -37.07, 57.13
CIElCh	93, 68.101, 122.975
Yxy	82.3320, 0.3521, 0.4743
Android (android.graphics.Color)	4291230583 (0xFFC6FB77)
YUV	220.1050, -49.8448, -19.3861
Hunter-Lab	90.7370, -38.5614, 43.8325

Details

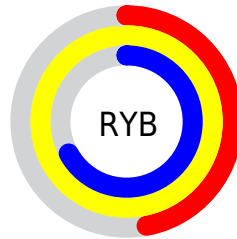
The XYZ color **61.1157, 82.3320, 30.1233** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **41.0260, 28.9316, 94.6934**, and the grayscale version is **68.4346, 71.9986, 78.4064**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **31.2304, 44.6279, 11.9691** is the 20% darker color. If you saturate the color by 10%, you get **57.2346, 80.4856, 23.0856**, and if you desaturate by 10%, it is **65.5757, 84.4360, 39.2690**.

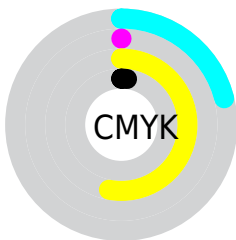
Distribution



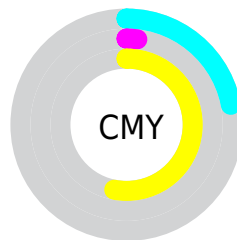
- Red (78%)
- Green (98%)
- Blue (47%)



- Red (47%)
- Yellow (98%)
- Blue (67%)



- Cyan (21%)
- Magenta (0%)
- Yellow (53%)
- Black (2%)





- Cyan (22%)
- Magenta (2%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.1157, 82.3320, 30.1233 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 61.1157, 82.3320, 30.1233 by changing the saturation by 10% instead.


 61.1157, 82.3320,
30.1233


 61.1157, 82.3320,
30.1233


418.4672,
502.7575, 316.7039


 44.5714, 61.6392,
19.6793


 105.5436,
136.6395, 60.9204

 31.3198, 44.7413,
11.9804


 134.1580,
171.0230, 82.1107

 20.9955, 31.2537,
6.6080


 167.5264,
210.7389, 107.7201

 13.2332, 20.7921,
3.1435

206.0143,
256.1715, 138.1673

 7.6674, 12.9721,
1.1683

249.9869,
307.7053, 173.8707

 3.9329, 7.4093,
0.0000

299.8098,

 1.6642, 3.7194,

365.7246, 215.2489

0.0000

355.8481,
430.6139, 262.7205

0.4337, 1.5179,
0.0000

0.0000, 0.3013,
0.0000

61.1157, 82.3320,
30.1233

61.1157, 82.3320,
30.1233

57.2346, 80.4856,
23.0856

65.5757, 84.4360,
39.2690

53.8908, 78.8714,
17.9815


70.6405, 86.8000,
50.6680


51.0460, 77.4763,
14.6176


76.3412, 89.4395,
64.4589

48.6515, 76.2806,
12.7578

82.7050, 92.3657,
80.7677

 47.1161, 75.5022,
12.0901

 89.7570, 95.5892,
99.7116

 93.7889, 97.4778,
108.4796

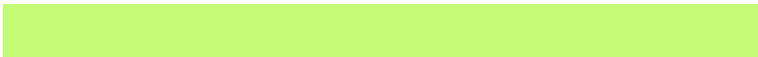
Harmonies

Analogous

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



76.4968, 82.3320, 23.1917



61.1157, 82.3320, 30.1233



51.6279, 82.3320, 52.1758

Triad

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



61.1157, 82.3320, 30.1233



63.7537, 82.3320, 207.8885



117.5074, 82.3320, 84.6696

Complementary

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



61.1157, 82.3320, 30.1233



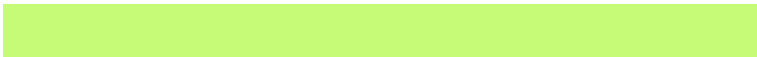
41.0260, 28.9316, 94.6934

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.



112.7486, 82.3320, 141.7725



61.1157, 82.3320, 30.1233



80.0381, 82.3320, 226.9009

Square

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



61.1157, 82.3320, 30.1233



52.9814, 82.3320, 154.0321



98.3298, 82.3320, 199.1301



110.5049, 82.3320, 46.2894

Rectangle

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



61.1157, 82.3320, 30.1233



49.0432, 82.3320, 78.2191



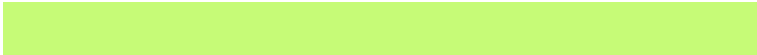
98.3298, 82.3320, 199.1301



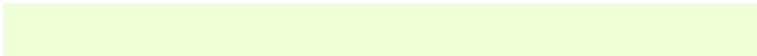
117.2321, 82.3320, 102.1338

Sweetspot

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



61.1177, 82.3356, 30.1251



83.3905, 94.6694, 77.6302



57.8310, 51.2729, 24.3026



17.5565, 20.1287, 15.8643



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.



61.1177, 82.3356, 30.1251



59.1542, 83.3449, 23.6416



47.3766, 75.2518, 29.4820



18.0137, 19.8228, 18.3392



24.9339, 39.7722, 6.3626



2.4290, 3.7453, 0.5949

Inverse Universe

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



41.0260, 28.9316, 94.6934



36.3540, 22.6443, 97.0625



59.2053, 38.3034, 95.5442



16.9427, 16.9831, 21.7704



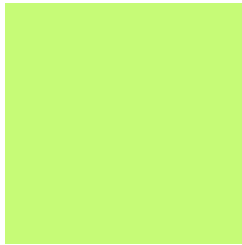
12.1152, 5.1883, 48.3365



1.2382, 0.5404, 4.4822

Previews

White Background



This preview shows how the XYZ color 61.1157, 82.3320, 30.1233 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 61.1157, 82.3320, 30.1233 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

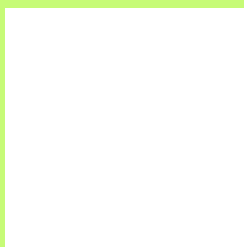
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.1157, 82.3320, 30.1233

Background



This preview shows how black text looks on a background with the XYZ color 61.1157, 82.3320, 30.1233.

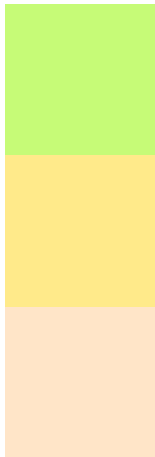


This preview shows how white text looks on a background with the XYZ color 61.1157, 82.3320,

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

61.1157, 82.3320, 30.1233

Protanopia

75.2503, 81.9406, 35.8948

Deuteranopia

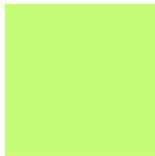
79.6846, 81.4688, 66.1688



Tritanopia

76.3644, 81.8098, 106.3738

Trichromacy



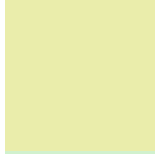
Original Color

61.1157, 82.3320, 30.1233



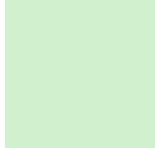
Protanomaly

69.1885, 81.4513, 33.5478



Deuteranomaly

71.5666, 81.0011, 50.3909



Tritanomaly

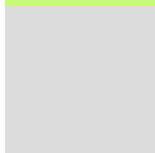
68.8904, 80.9221, 70.3811

Monochromacy



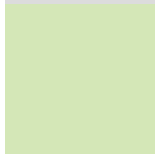
Original Color

61.1157, 82.3320, 30.1233



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.2745, 74.5678, 55.8051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.1157, 82.3320, 30.1233 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(198, 251, 119)` looks like.

```
.text, #text, p{  
    color:rgb(198, 251, 119)  
}
```

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(198, 251, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 251, 119) }
```

Border

The CSS property to change the border of an element to XYZ 61.1157, 82.3320, 30.1233 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(198, 251, 119) }
```


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

```
.border{ border-color:rgb(198, 251, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 251, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 251, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 251, 119);  
box-shadow:4px 4px 4px 4px rgb(198, 251,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 61.1157, 82.3320, 30.1233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 251, 119) }
```

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

```
.background{ background-color: rgb(198,  
251, 119) }
```

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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