

Converting Colors

XYZ(93.6033, 155.0565,
47.1008)

Have a look what the booklet for
XYZ(93.6033, 155.0565, 47.1008)
contains.

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Color

**XYZ(57.0069, 81.9841,
35.0102)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFF85
RGB	172, 255, 133
RGB Percent	67%, 100%, 52%
CMY	0.3255, 0.0000, 0.4784
CMYK	0.33, 0.00, 0.48, 0.00
HSL	101°, 100%, 76%
HSV	101°, 48%, 100%
XYZ	57.0069, 81.9841, 35.0102
YIQ	216.2750, -10.3060, -55.5380

Conversions

Conversions Part 2

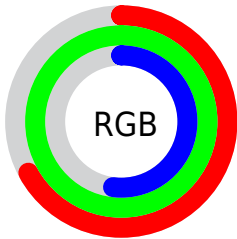
Format	Color
RYB	133, 255, 216
Decimal	11337605
CIELab	92.57, -46.30, 50.17
CIELCh	93, 68.269, 132.704
Yxy	81.9841, 0.3276, 0.4712
Android (android.graphics.Color)	4289527685 (0xFFACFF85)
YUV	216.2750, -41.0546, -38.8292
Hunter-Lab	90.5451, -46.0708, 40.4565

Details

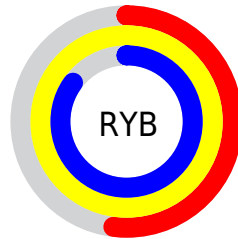
The XYZ color **57.0069, 81.9841, 35.0102** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.7577, 38.5953, 99.1713**, and the grayscale version is **65.7338, 69.1571, 75.3121**.

A 20% lighter version of the original color is **77.4702, 91.9738, 61.2466**, and **28.7123, 44.6122, 14.6871** is the 20% darker color. If you saturate the color by 10%, you get **51.8912, 79.5263, 26.6643**, and if you desaturate by 10%, it is **63.0480, 84.8695, 45.6338**.

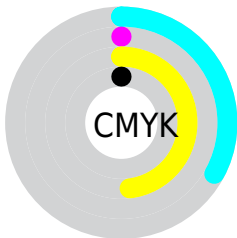
Distribution



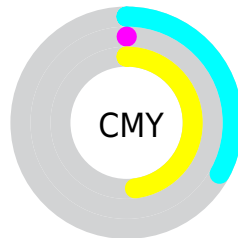
- Red (67%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (85%)



- Cyan (33%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.0069, 81.9841, 35.0102 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 57.0069, 81.9841, 35.0102 by changing the saturation by 10% instead.


 57.0069, 81.9841,
35.0102


 57.0069, 81.9841,
35.0102


403.4889,
501.5945, 339.5190


 41.2509, 61.3524,
23.3871


 99.6066, 136.1517,
68.6533

 28.7038, 44.5097,
14.6716


 127.1810,
170.4564, 91.5104

 19.0000, 31.0714,
8.4452


 159.4256,
210.0876, 118.9493

 11.7743, 20.6532,
4.2893

196.7057,
255.4297, 151.3885

 6.6613, 12.8707,
1.7854

239.3868,
306.8670, 189.2465

 3.2956, 7.3396,
0.4183

287.8341,

 1.3119, 3.6754,

364.7840, 232.9419

0.0000

342.4130,
429.5650, 282.8932

0.1921, 1.4937,
0.0000

0.0000, 0.2843,
0.0000

57.0069, 81.9841,
35.0102

57.0069, 81.9841,
35.0102

51.8912, 79.5263,
26.6643

63.0480, 84.8695,
45.6338

47.6494, 77.4733,
20.4257

70.0599, 88.2028,
58.6815

44.2256, 75.8003,
16.1062

78.0860, 92.0032,
74.2916

41.5557, 74.4792,
13.4823

87.1666, 96.2888,
92.5912

■ 39.5598, 73.4754, 95.0500, 100.0000,
12.2552 108.9000

■ 39.1974, 73.2921,
12.0809

Harmonies

Analogous

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



70.6616, 81.9841, 23.8661



57.0069, 81.9841, 35.0102



49.6867, 81.9841, 63.2635

Triad

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



57.0069, 81.9841, 35.0102



68.2176, 81.9841, 218.7630



116.1514, 81.9841, 69.4643

Complementary

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



57.0069, 81.9841, 35.0102



54.7577, 38.5953, 99.1713

Split Complementary

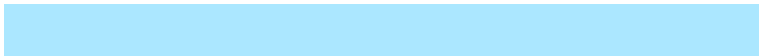
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.2311, 81.9841, 121.5674



57.0069, 81.9841, 35.0102



85.6665, 81.9841, 222.4653

Square

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



57.0069, 81.9841, 35.0102



55.4525, 81.9841, 173.2439



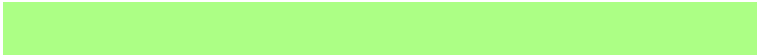
103.4169, 81.9841, 181.9968



105.7679, 81.9841, 38.0596

Rectangle

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



57.0069, 81.9841, 35.0102



48.5807, 81.9841, 93.9543



103.4169, 81.9841, 181.9968



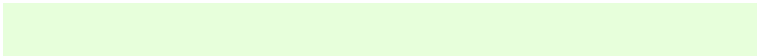
117.1944, 81.9841, 84.7378

Sweetspot

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



57.0072, 81.9843, 35.0114



81.4478, 93.5913, 80.9973



69.6052, 71.2161, 32.2690



17.0249, 19.8396, 16.5201



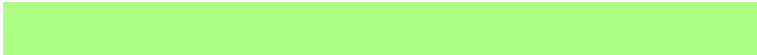
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

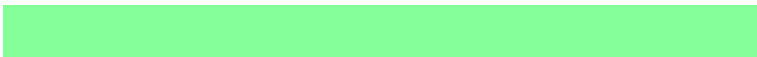
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.0072, 81.9843, 35.0114



52.2875, 79.7173, 27.2833



51.2110, 78.8178, 42.7970



18.3181, 20.4499, 19.1261



20.6181, 38.3671, 6.3189



2.1156, 3.7914, 0.6203

Inverse Universe

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



54.7577, 38.5953, 99.1713



49.7521, 31.7845, 98.1205



64.5753, 44.0149, 83.4376



18.1949, 17.9922, 22.7638



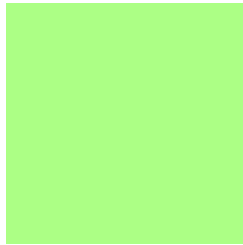
18.6552, 8.5276, 50.0973



1.9302, 0.8890, 4.8831

Previews

White Background



This preview shows how the XYZ color 57.0069, 81.9841, 35.0102 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 57.0069, 81.9841, 35.0102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

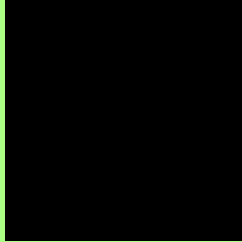
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

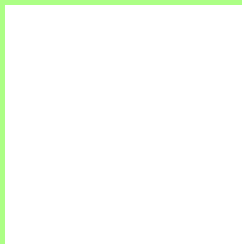
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 57.0069, 81.9841, 35.0102

Background



This preview shows how black text looks on a background with the XYZ color 57.0069, 81.9841, 35.0102.

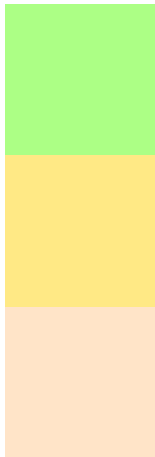


This preview shows how white text looks on a background with the XYZ color 57.0069, 81.9841,

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

57.0069, 81.9841, 35.0102

Protanopia

74.6126, 81.2313, 33.9370

Deuteranopia

79.4087, 80.9169, 66.0768



Tritanopia

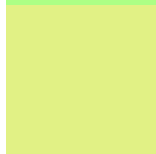
73.0039, 81.3705, 106.4661

Trichromacy



Original Color

57.0069, 81.9841, 35.0102



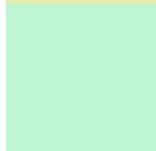
Protanomaly

66.7403, 80.6116, 34.2323



Deuteranomaly

69.4623, 80.2912, 52.9110



Tritanomaly

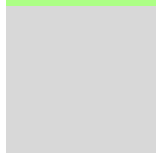
65.6455, 80.9551, 73.7940

Monochromacy



Original Color

57.0069, 81.9841, 35.0102



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

60.9792, 72.4182, 57.2185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0069, 81.9841, 35.0102 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(172, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 133)  
}
```

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(172, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 57.0069, 81.9841, 35.0102 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(172, 255, 133) }
```


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

```
.border{ border-color:rgb(172, 255, 133) }
```

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

Here you see how a box with a 4 pixel rgb(172, 255, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0069, 81.9841, 35.0102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 133) }
```

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

```
.background{ background-color: rgb(172,  
255, 133) }
```

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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