

Converting Colors

XYZ(55.7449, 81.3445, 34.4550)

Have a look what the booklet for
XYZ(55.7449, 81.3445, 34.4550)
contains.

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Color

**XYZ(55.8612, 81.4014,
34.5977)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FF84
RGB	167, 255, 132
RGB Percent	65%, 100%, 52%
CMY	0.3451, 0.0000, 0.4823
CMYK	0.35, 0.00, 0.48, 0.00
HSL	103°, 100%, 76%
HSV	103°, 48%, 100%
XYZ	55.8612, 81.4014, 34.5977
YIQ	214.6660, -12.9650, -56.9090

Conversions

Conversions Part 2

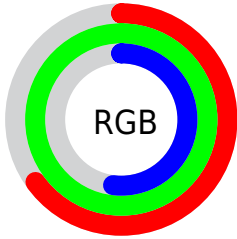
Format	Color
RYB	132, 255, 220
Decimal	11009924
CIELab	92.31, -48.03, 50.26
CIELCh	92, 69.525, 133.700
Yxy	81.4014, 0.3250, 0.4736
Android (android.graphics.Color)	4289200004 (0xFFA7FF84)
YUV	214.6660, -40.7543, -41.8031
Hunter-Lab	90.2227, -47.3719, 40.4200

Details

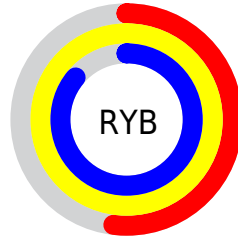
The XYZ color **55.8612, 81.4014, 34.5977** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.8179, 38.9396, 99.1819**, and the grayscale version is **64.6383, 68.0045, 74.0569**.

A 20% lighter version of the original color is **75.7810, 91.1154, 60.6067**, and **28.0358, 44.2677, 14.4640** is the 20% darker color. If you saturate the color by 10%, you get **50.7378, 78.9378, 26.3357**, and if you desaturate by 10%, it is **61.9556, 84.3163, 45.1334**.

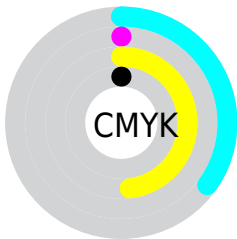
Distribution



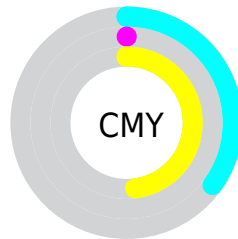
- Red (65%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (86%)



- Cyan (35%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8612, 81.4014, 34.5977 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 55.8612, 81.4014, 34.5977 by changing the saturation by 10% instead.


 55.8612, 81.4014,
34.5977


 55.8612, 81.4014,
34.5977


399.2517,
499.6432, 337.6392


 40.3282, 60.8722,
23.0721


 97.9426, 135.3342,
68.0066

 27.9799, 44.1221,
14.4409


 125.2217,
169.5067, 90.7269

 18.4509, 30.7665,
8.2857


 157.1469,
208.9958, 118.0158

 11.3758, 20.4211,
4.1879

194.0836,
254.1857, 150.2920

 6.3894, 12.7015,
1.7290

236.3970,
305.4611, 187.9738

 3.1261, 7.2233,
0.3805

284.4526,

 1.2208, 3.6022,

363.2062, 231.4800

0.0000

338.6157,
427.8054, 281.2289

0.1227, 1.4536,
0.0000

0.0000, 0.2557,
0.0000

55.8612, 81.4014,
34.5977

55.8612, 81.4014,
34.5977

50.7378, 78.9378,
26.3357

61.9556, 84.3163,
45.1334

46.5300, 76.9005,
20.1762

69.0696, 87.7043,
58.0900

43.1779, 75.2630,
15.9295

77.2499, 91.5864,
73.6063

40.6128, 73.9947,
13.3704

86.5394, 95.9821,
91.8099

■ 38.7476, 73.0573, 95.0500, 100.0000,
12.1886 108.9000

■ 38.4742, 72.9192,
12.0470

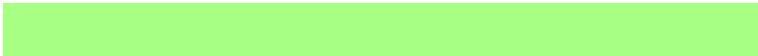
Harmonies

Analogous

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



69.4684, 81.4014, 23.0481



55.8612, 81.4014, 34.5977



48.7089, 81.4014, 63.6496

Triad

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



55.8612, 81.4014, 34.5977



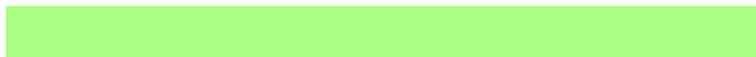
68.0678, 81.4014, 221.6461



116.0458, 81.4014, 67.1932

Complementary

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



55.8612, 81.4014, 34.5977



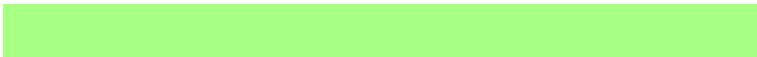
55.8179, 38.9396, 99.1819

Split Complementary

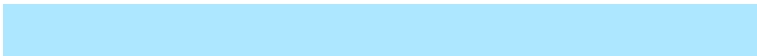
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.5147, 81.4014, 119.4217



55.8612, 81.4014, 34.5977



85.8483, 81.4014, 223.7952

Square

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



55.8612, 81.4014, 34.5977



54.9733, 81.4014, 176.1270



103.7922, 81.4014, 181.1957



105.1471, 81.4014, 36.3222

Rectangle

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



55.8612, 81.4014, 34.5977



47.7477, 81.4014, 95.1752



103.7922, 81.4014, 181.1957



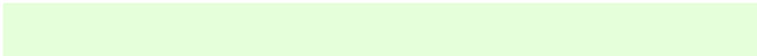
117.2441, 81.4014, 82.3963

Sweetspot

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



55.8615, 81.4016, 34.5989



81.0451, 93.3837, 80.9784



70.5027, 73.1213, 32.2290



16.9276, 19.7894, 16.5156



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

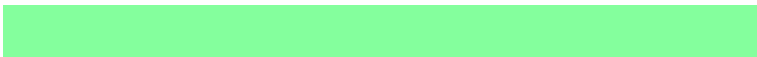
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8615, 81.4016, 34.5989



50.8469, 78.9904, 26.5043



51.3282, 78.8466, 44.2344



18.2569, 20.4183, 19.1232



20.2292, 38.1666, 6.3007



2.0714, 3.7686, 0.6182

Inverse Universe

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



55.8179, 38.9396, 99.1819



50.7347, 31.8900, 98.0891



63.8310, 43.4992, 80.1902



18.2594, 18.0255, 22.7668



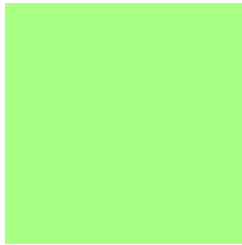
19.7206, 9.0768, 50.1472



2.0276, 0.9392, 4.8877

Previews

White Background



This preview shows how the XYZ color 55.8612, 81.4014, 34.5977 looks on a white background.

Color Contrast Check

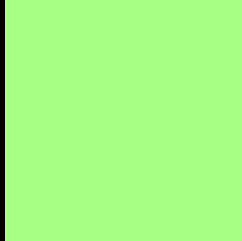
Large Text (above 18pt) WCAG AA × Fail

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 55.8612, 81.4014, 34.5977 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

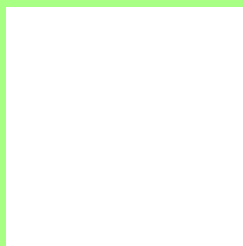
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.8612, 81.4014, 34.5977

Background



This preview shows how black text looks on a background with the XYZ color 55.8612, 81.4014, 34.5977.



This preview shows how white text looks on a background with the XYZ color 55.8612, 81.4014,

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

55.8612, 81.4014, 34.5977

Protanopia

73.8625, 80.4796, 31.3798

Deuteranopia

78.9021, 80.2754, 64.7622



Tritanopia

71.9425, 80.8233, 106.4164

Trichromacy



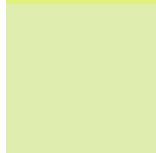
Original Color

55.8612, 81.4014, 34.5977



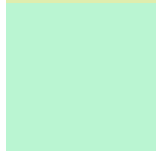
Protanomaly

65.4878, 79.5667, 32.3284



Deuteranomaly

68.3556, 79.3123, 51.7505



Tritanomaly

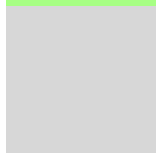
64.5350, 80.3971, 73.0896

Monochromacy



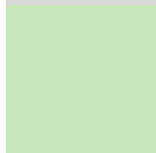
Original Color

55.8612, 81.4014, 34.5977



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.3425, 72.1022, 56.6357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8612, 81.4014, 34.5977 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(167, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 55.8612, 81.4014, 34.5977 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(167, 255, 132) }
```


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

```
.border{ border-color:rgb(167, 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(167, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8612, 81.4014, 34.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 132) }
```

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

```
.background{ background-color: rgb(167,  
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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