

Converting Colors

XYZ(65.0942, 100.0000,
35.5268)

Have a look what the booklet for
XYZ(65.0942, 100.0000, 35.5268)
contains.

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Color

**XYZ(55.8881, 81.4614,
32.5167)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FF7E
RGB	169, 255, 126
RGB Percent	66%, 100%, 49%
CMY	0.3373, 0.0000, 0.5059
CMYK	0.34, 0.00, 0.51, 0.00
HSL	100°, 100%, 75%
HSV	100°, 51%, 100%
XYZ	55.8881, 81.4614, 32.5167
YIQ	214.5800, -9.8470, -58.3510

Conversions

Conversions Part 2

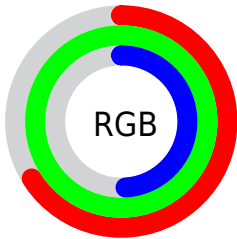
Format	Color
RYB	126, 255, 212
Decimal	11140990
CIELab	92.34, -48.08, 53.10
CIELCh	92, 71.636, 132.158
Yxy	81.4614, 0.3290, 0.4796
Android (android.graphics.Color)	4289331070 (0xFFA9FF7E)
YUV	214.5800, -43.6699, -39.9737
Hunter-Lab	90.2560, -47.4176, 41.8187

Details

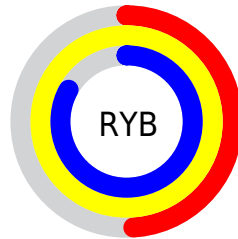
The XYZ color **55.8881, 81.4614, 32.5167** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **52.6637, 36.1402, 98.8078**, and the grayscale version is **64.5976, 67.9617, 74.0103**.

A 20% lighter version of the original color is **75.7790, 91.1871, 57.3230**, and **28.0788, 44.3140, 13.3769** is the 20% darker color. If you saturate the color by 10%, you get **51.0336, 79.1253, 24.7678**, and if you desaturate by 10%, it is **61.6368, 84.2100, 42.4986**.

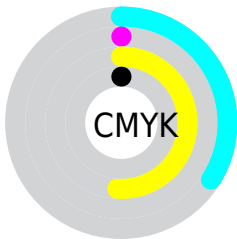
Distribution



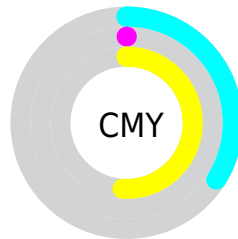
- Red (66%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (83%)



- Cyan (34%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8881, 81.4614, 32.5167 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 55.8881, 81.4614, 32.5167 by changing the saturation by 10% instead.


 55.8881, 81.4614,
32.5167

 55.8881, 81.4614,
32.5167


399.3515,
499.8443, 328.0313


 40.3499, 60.9217,
21.4884


 97.9817, 135.4184,
64.7275

 27.9969, 44.1620,
13.2868


 125.2678,
169.6046, 86.7471

 18.4637, 30.7979,
7.4933


 157.2005,
209.1082, 113.2676

 11.3851, 20.4450,
3.6894

194.1453,
254.3139, 144.7074

 6.3957, 12.7189,
1.4565

236.4674,
305.6060, 181.4851

 3.1301, 7.2353,
0.1852

284.5322,

 1.2229, 3.6097,

363.3688, 224.0193

0.0000

338.7052,
427.9868, 272.7285

■ 0.1244, 1.4577,
0.0000

■ 0.0000, 0.2587,
0.0000

■ 55.8881, 81.4614,
32.5167

■ 55.8881, 81.4614,
32.5167

■ 51.0336, 79.1253,
24.7678

■ 61.6368, 84.2100,
42.4986

■ 47.0217, 77.1789,
19.0760

■ 68.3251, 87.3911,
54.8639

■ 43.7962, 75.5975,
15.2453

■ 75.9961, 91.0241,
69.7543

■ 41.2916, 74.3526,
13.0395

■ 84.6898, 95.1265,
87.2991

■ 39.5059, 73.4511,
12.0953

94.4439, 99.7153,
107.6190

95.0500, 100.0000,
108.9000

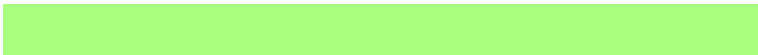
Harmonies

Analogous

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



70.1615, 81.4614, 21.6634



55.8881, 81.4614, 32.5167



48.2191, 81.4614, 60.9606

Triad

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



55.8881, 81.4614, 32.5167



67.0141, 81.4614, 225.6215



117.7459, 81.4614, 68.8934

Complementary

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



55.8881, 81.4614, 32.5167



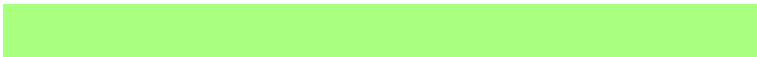
52.6637, 36.1402, 98.8078

Split Complementary

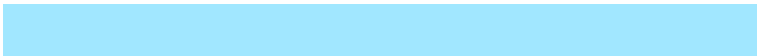
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.5407, 81.4614, 123.7828



55.8881, 81.4614, 32.5167



85.1767, 81.4614, 230.5368

Square

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



55.8881, 81.4614, 32.5167



53.9018, 81.4614, 176.3371



103.8902, 81.4614, 187.8930



106.9592, 81.4614, 36.3210

Rectangle

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



55.8881, 81.4614, 32.5167



46.9982, 81.4614, 92.5969



103.8902, 81.4614, 187.8930



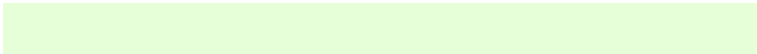
118.7724, 81.4614, 84.9094

Sweetspot

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



55.8884, 81.4615, 32.5179



80.7246, 93.2570, 79.2211



68.5499, 69.8540, 29.6101



16.8884, 19.7768, 16.1708



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

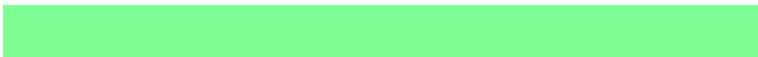
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8884, 81.4615, 32.5179



50.8515, 79.0373, 24.4931



49.6708, 78.0783, 40.2639



18.3420, 20.4622, 19.1272



20.7833, 38.4523, 6.3266



2.1339, 3.8008, 0.6212

Inverse Universe

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



52.6637, 36.1402, 98.8078



47.2248, 28.9471, 97.7061



63.4809, 42.0945, 82.2455



18.1699, 17.9793, 22.7626



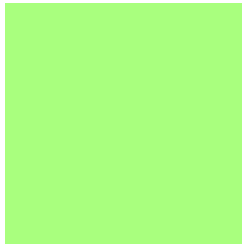
18.2590, 8.3234, 50.0788



1.8938, 0.8702, 4.8814

Previews

White Background



This preview shows how the XYZ color 55.8881, 81.4614, 32.5167 looks on a white background.

Color Contrast Check

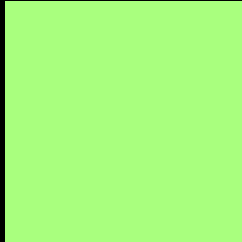
Large Text (above 18pt) WCAG AA × Fail

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 55.8881, 81.4614, 32.5167 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

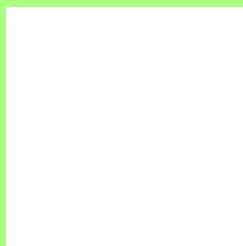
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.8881, 81.4614, 32.5167

Background



This preview shows how black text looks on a background with the XYZ color 55.8881, 81.4614, 32.5167.



This preview shows how white text looks on a background with the XYZ color 55.8881, 81.4614,

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

55.8881, 81.4614, 32.5167

Protanopia

73.8625, 80.4796, 31.3798

Deuteranopia

78.7871, 80.2294, 64.1566



Tritanopia

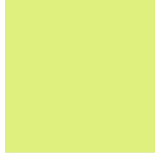
72.4697, 81.0951, 106.4411

Trichromacy



Original Color

55.8881, 81.4614, 32.5167



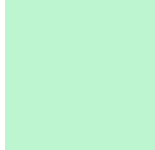
Protanomaly

65.6665, 79.6738, 31.6563



Deuteranomaly

68.3753, 79.3559, 50.2415



Tritanomaly

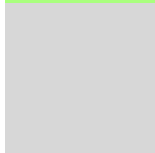
64.7766, 80.5502, 71.8082

Monochromacy



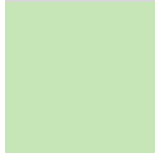
Original Color

55.8881, 81.4614, 32.5167



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.1328, 72.0183, 55.5313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8881, 81.4614, 32.5167 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(169, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 126)  
}
```

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(169, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 126) }
```

Border

The CSS property to change the border of an element to XYZ 55.8881, 81.4614, 32.5167 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(169, 255, 126) }
```


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

```
.border{ border-color:rgb(169, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8881, 81.4614, 32.5167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 126) }
```

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

```
.background{ background-color: rgb(169,  
255, 126) }
```

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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