

Converting Colors

XYZ(55.6255, 80.7044, 39.5886)

Have a look what the booklet for
XYZ(55.6255, 80.7044, 39.5886)
contains.

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Color

**XYZ(55.6569, 80.7145,
39.4341)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FE91
RGB	163, 254, 145
RGB Percent	64%, 100%, 57%
CMY	0.3608, 0.0039, 0.4314
CMYK	0.36, 0.00, 0.43, 0.00
HSL	110°, 98%, 78%
HSV	110°, 43%, 100%
XYZ	55.6569, 80.7145, 39.4341
YIQ	214.3650, -19.2470, -53.1910

Conversions

Conversions Part 2

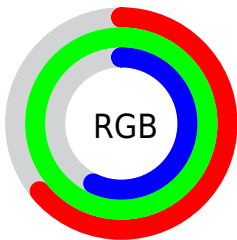
Format	Color
RYB	145, 254, 236
Decimal	10747537
CIELab	92.00, -47.23, 43.65
CIELCh	92, 64.313, 137.252
Yxy	80.7145, 0.3166, 0.4591
Android (android.graphics.Color)	4288937617 (0xFFA3FE91)
YUV	214.3650, -34.1969, -45.0471
Hunter-Lab	89.8412, -46.6409, 36.8647

Details

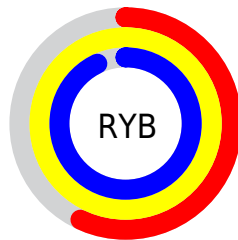
The XYZ color **55.6569, 80.7145, 39.4341** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.6107, 45.2420, 99.2029**, and the grayscale version is **64.3968, 67.7505, 73.7803**.

A 20% lighter version of the original color is **76.0041, 91.0623, 68.2145**, and **27.9614, 43.8310, 17.1117** is the 20% darker color. If you saturate the color by 10%, you get **49.9296, 77.9659, 30.0605**, and if you desaturate by 10%, it is **62.5542, 84.0204, 51.1513**.

Distribution



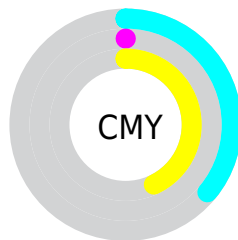
- Red (64%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (93%)



- Cyan (36%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6569, 80.7145, 39.4341 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 55.6569, 80.7145, 39.4341 by changing the saturation by 10% instead.


 55.6569, 80.7145,
39.4341


 55.6569, 80.7145,
39.4341


398.4932,
497.3375, 359.2135

 40.1638, 60.3065,
26.7872


 97.6455, 134.3698,
75.5286

 27.8511, 43.6657,
17.1824


 124.8717,
168.3859, 99.8133

 18.3533, 30.4078,
10.2013


156.7396,
207.7068, 128.8144

 11.3052, 20.1483,
5.4253

193.6147,
252.7170, 162.9503

 6.3413, 12.5029,
2.4358

235.8623,
303.8007, 202.6396

 3.0963, 7.0872,
0.8059

283.8476,

 1.2049, 3.5167,

361.3424, 248.3009

0.0000

337.9362,
425.7266, 300.3527

0.1102, 1.4070,
0.0000

0.0000, 0.2219,
0.0000

55.6569, 80.7145,
39.4341

55.6569, 80.7145,
39.4341

49.9296, 77.9659,
30.0605

62.5542, 84.0204,
51.1513

45.3004, 75.7339,
22.8678

70.6761, 87.9016,
65.3494

41.6988, 73.9883,
17.6814

80.0808, 92.3875,
82.1615

39.0431, 72.6914,
14.2973

90.8211, 97.5028,
101.7097

■ 37.2381, 71.7995,
12.4683

94.7335, 99.3669,
108.7945

■ 36.3958, 71.3779,
11.8591

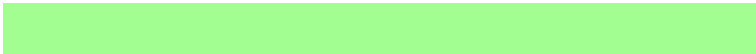
Harmonies

Analogous

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



67.6682, 80.7145, 26.4525



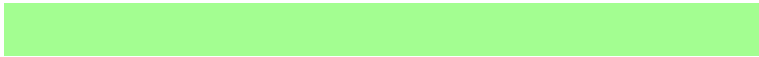
55.6569, 80.7145, 39.4341



49.6966, 80.7145, 69.2840

Triad

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



55.6569, 80.7145, 39.4341



69.9126, 80.7145, 209.9738



111.2631, 80.7145, 63.5504

Complementary

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



55.6569, 80.7145, 39.4341



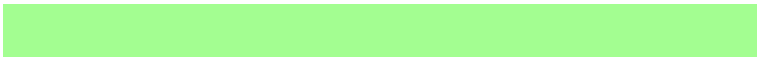
62.6107, 45.2420, 99.2029

Split Complementary

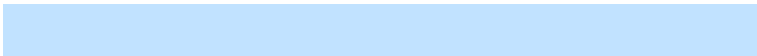
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.0938, 80.7145, 109.5472



55.6569, 80.7145, 39.4341



86.5379, 80.7145, 206.6808

Square

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



55.6569, 80.7145, 39.4341



57.0958, 80.7145, 173.1452



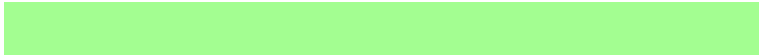
102.5138, 80.7145, 165.3132



100.3850, 80.7145, 36.5418

Rectangle

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



55.6569, 80.7145, 39.4341



49.3013, 80.7145, 99.8877



102.5138, 80.7145, 165.3132



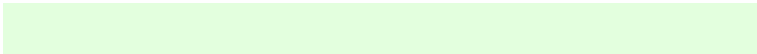
112.7768, 80.7145, 76.8834

Sweetspot

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



55.6589, 80.7179, 39.4359



80.7054, 93.1694, 82.7318



75.9349, 83.0140, 38.8104



16.8021, 19.7170, 16.8577



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

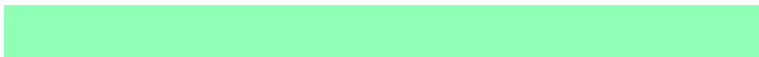
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.6589, 80.7179, 39.4359



51.3879, 79.1492, 31.9542



55.4962, 80.2570, 56.4638



18.0509, 20.3122, 19.1136



19.2680, 37.6711, 6.2557



1.9511, 3.7066, 0.6126

Inverse Universe

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



62.6107, 45.2420, 99.2029



59.1539, 39.2871, 99.0731



63.6127, 46.3683, 71.7015



18.4809, 18.1397, 22.7772



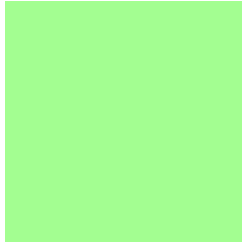
23.8633, 11.2125, 50.3411



2.3983, 1.1303, 4.9050

Previews

White Background



This preview shows how the XYZ color 55.6569, 80.7145, 39.4341 looks on a white background.

Color Contrast Check

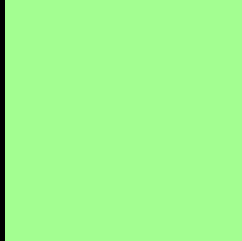
Large Text (above 18pt) WCAG AA × Fail

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 55.6569, 80.7145, 39.4341 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

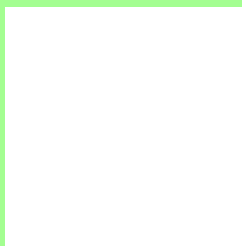
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6569, 80.7145, 39.4341

Background



This preview shows how black text looks on a background with the XYZ color 55.6569, 80.7145, 39.4341.

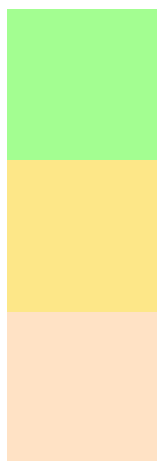


This preview shows how white text looks on a background with the XYZ color 55.6569, 80.7145,

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

55.6569, 80.7145, 39.4341

Protanopia

73.5279, 79.8120, 34.8225

Deuteranopia

78.5144, 79.6839, 64.0657



Tritanopia

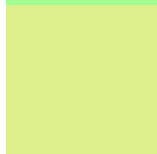
70.9088, 80.2905, 106.3681

Trichromacy



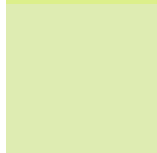
Original Color

55.6569, 80.7145, 39.4341



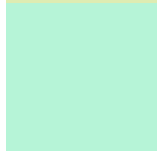
Protanomaly

65.0419, 78.8127, 36.2104



Deuteranomaly

68.1555, 78.7349, 53.7246



Tritanomaly

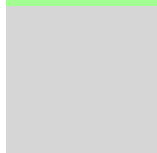
63.9078, 79.5527, 76.2769

Monochromacy



Original Color

55.6569, 80.7145, 39.4341



Achromatopsia

63.9157, 67.2443, 73.2291



Achromatomaly

59.7103, 71.3148, 58.7622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6569, 80.7145, 39.4341 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(163, 254, 145)` looks like.

```
.text, #text, p{  
    color:rgb(163, 254, 145)  
}
```

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(163, 254, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 254, 145) }
```

Border

The CSS property to change the border of an element to XYZ 55.6569, 80.7145, 39.4341 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(163, 254, 145) }
```


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

```
.border{ border-color:rgb(163, 254, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 254, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 254, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 254, 145);  
box-shadow:4px 4px 4px 4px rgb(163, 254,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6569, 80.7145, 39.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 254, 145) }
```

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

```
.background{ background-color: rgb(163,  
254, 145) }
```

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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