

Converting Colors

XYZ(63.0603, 98.6397, 42.0546)

Have a look what the booklet for
XYZ(63.0603, 98.6397, 42.0546)
contains.

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Color

**XYZ(53.9309, 80.3059,
39.0437)**

Conversions

Conversions Part 1

Format	Color
Hex	99FF90
RGB	153, 255, 144
RGB Percent	60%, 100%, 56%
CMY	0.4000, 0.0000, 0.4353
CMYK	0.40, 0.00, 0.44, 0.00
HSL	115°, 100%, 78%
HSV	115°, 44%, 100%
XYZ	53.9309, 80.3059, 39.0437
YIQ	211.8480, -25.1610, -56.1450

Conversions

Conversions Part 2

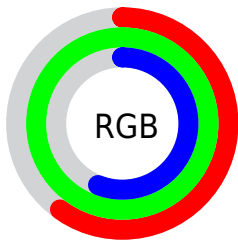
Format	Color
RYB	144, 255, 246
Decimal	10092432
CIELab	91.82, -50.81, 43.81
CIELCh	92, 67.090, 139.231
Yxy	80.3059, 0.3112, 0.4634
Android (android.graphics.Color)	4288282512 (0xFF99FF90)
YUV	211.8480, -33.4491, -51.6097
Hunter-Lab	89.6136, -49.3995, 36.8975

Details

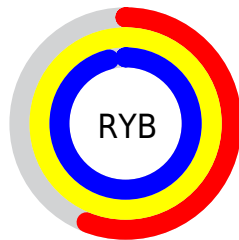
The XYZ color **53.9309, 80.3059, 39.0437** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.0306, 46.7607, 100.1533**, and the grayscale version is **62.7052, 65.9708, 71.8422**.

A 20% lighter version of the original color is **72.9328, 89.4924, 67.4626**, and **26.9063, 43.6303, 16.9009** is the 20% darker color. If you saturate the color by 10%, you get **48.1998, 77.5517, 29.7253**, and if you desaturate by 10%, it is **60.9715, 83.6843, 50.7234**.

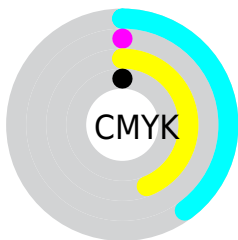
Distribution



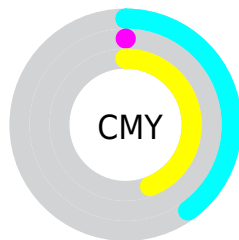
- Red (60%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (96%)



- Cyan (40%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9309, 80.3059, 39.0437 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 53.9309, 80.3059, 39.0437 by changing the saturation by 10% instead.


 53.9309, 80.3059,
39.0437


 53.9309, 80.3059,
39.0437


392.0491,
495.9631, 357.5078

 38.7769, 59.9701,
26.4856


 95.1303, 133.7957,
74.9262

 26.7661, 43.3945,
16.9583


 121.9063,
167.7186, 99.0876

 17.5333, 30.1948,
10.0431


153.2871,
206.9392, 127.9540

 10.7131, 19.9865,
5.3216

189.6379,
251.8420, 161.9437

 5.9401, 12.3852,
2.3751

231.3242,
302.8114, 201.4754

 2.8490, 7.0066,
0.7729

278.7112,

 1.0744, 3.4662,

360.2318, 246.9677

0.0000

332.1644,
424.4876, 298.8389

■ 0.0036, 1.3797,
0.0000

■ 0.0000, 0.2017,
0.0000

■ 53.9309, 80.3059,
39.0437

■ 53.9309, 80.3059,
39.0437

■ 48.1998, 77.5517,
29.7253

■ 60.9715, 83.6843,
50.7234

■ 43.6958, 75.3828,
22.6040

■ 69.3945, 87.7213,
64.9060

■ 40.3293, 73.7568,
17.5006

■ 79.2688, 92.4496,
81.7267

■ 37.9976, 72.6252,
14.2062

■ 90.6585, 97.8996,
101.3096

■ 36.5792, 71.9311, 95.0500, 100.0000,
12.4663 108.9000

■ 36.0623, 71.6759,
11.9341

Harmonies

Analogous

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



65.9501, 80.3059, 25.0521



53.9309, 80.3059, 39.0437



48.2423, 80.3059, 70.9162

Triad

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



53.9309, 80.3059, 39.0437



70.3169, 80.3059, 217.3113



111.9872, 80.3059, 59.8175

Complementary

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



53.9309, 80.3059, 39.0437



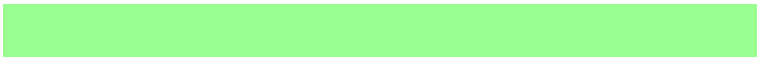
66.0306, 46.7607, 100.1533

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.



113.6250, 80.3059, 106.3485



53.9309, 80.3059, 39.0437



87.7420, 80.3059, 210.7453

Square

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



53.9309, 80.3059, 39.0437



56.7133, 80.3059, 180.5190



104.1998, 80.3059, 164.9737



100.0131, 80.3059, 33.5531

Rectangle

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



53.9309, 80.3059, 39.0437



48.1288, 80.3059, 103.5217



104.1998, 80.3059, 164.9737



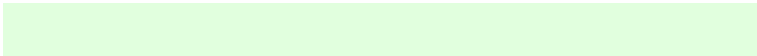
113.8260, 80.3059, 73.1156

Sweetspot

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



53.9313, 80.3061, 39.0449



79.8320, 92.7192, 82.6909



79.1541, 89.0334, 39.4001



16.5896, 19.6075, 16.8478



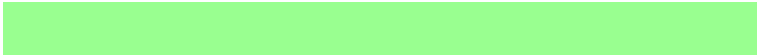
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

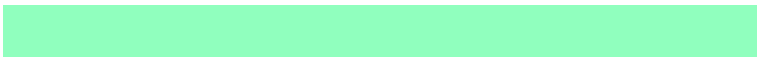
The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.9313, 80.3061, 39.0449



48.9941, 77.9338, 31.0030



56.5840, 81.1783, 61.5463



17.9080, 20.2385, 19.1069



18.8907, 37.4766, 6.2381



1.8840, 3.6720, 0.6095

Inverse Universe

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



66.0306, 46.7607, 100.1533



62.4542, 40.5155, 99.1363



62.6916, 45.7986, 65.6961



18.6388, 18.2211, 22.7846



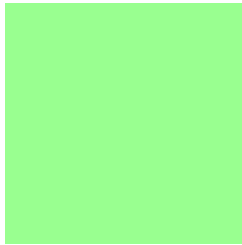
27.2788, 12.9732, 50.5009



2.6973, 1.2844, 4.9190

Previews

White Background



This preview shows how the XYZ color 53.9309, 80.3059, 39.0437 looks on a white background.

Color Contrast Check

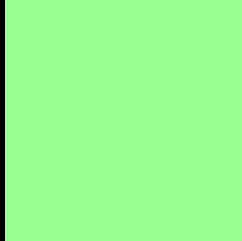
Large Text (above 18pt) WCAG AA × Fail

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 53.9309, 80.3059, 39.0437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

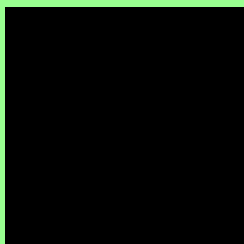
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

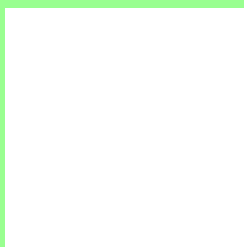
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.9309, 80.3059, 39.0437

Background



This preview shows how black text looks on a background with the XYZ color 53.9309, 80.3059, 39.0437.

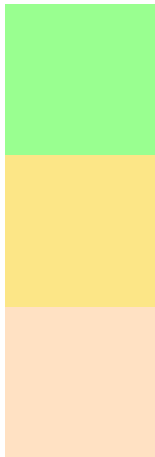


This preview shows how white text looks on a background with the XYZ color 53.9309, 80.3059,

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

53.9309, 80.3059, 39.0437

Protanopia

72.8149, 79.0383, 34.3398

Deuteranopia

78.0155, 79.0506, 62.7762



Tritanopia

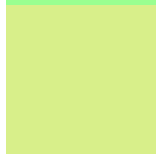
69.6555, 79.6444, 106.3094

Trichromacy



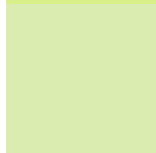
Original Color

53.9309, 80.3059, 39.0437



Protanomaly

63.7728, 78.1669, 35.7713



Deuteranomaly

66.7454, 78.0309, 52.6179



Tritanomaly

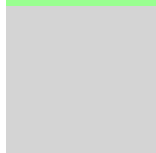
62.5973, 79.3251, 76.3020

Monochromacy



Original Color

53.9309, 80.3059, 39.0437



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.1989, 70.1510, 57.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9309, 80.3059, 39.0437 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(153, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 144)  
}
```

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(153, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 144) }
```

Border

The CSS property to change the border of an element to XYZ 53.9309, 80.3059, 39.0437 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(153, 255, 144) }
```


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

```
.border{ border-color:rgb(153, 255, 144) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9309, 80.3059, 39.0437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 144) }
```

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

```
.background{ background-color: rgb(153,  
255, 144) }
```

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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