

Converting Colors

XYZ(49.9498, 37.8231,
155.4335)

Have a look what the booklet for
XYZ(49.9498, 37.8231, 155.4335)
contains.

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Color

**XYZ(39.2989, 33.6629,
99.0340)**

Conversions

Conversions Part 1

Format	Color
Hex	8C93FF
RGB	140, 147, 255
RGB Percent	55%, 58%, 100%
CMY	0.4510, 0.4235, 0.0000
CMYK	0.45, 0.42, 0.00, 0.00
HSL	236°, 100%, 77%
HSV	236°, 45%, 100%
XYZ	39.2989, 33.6629, 99.0340
YIQ	157.2190, -38.8400, 32.1040

Conversions

Conversions Part 2

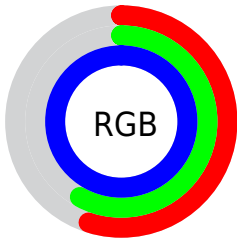
Format	Color
RYB	140, 147, 255
Decimal	9212927
CIELab	64.69, 24.67, -54.65
CIELCh	65, 59.962, 294.298
Yxy	33.6629, 0.2285, 0.1957
Android (android.graphics.Color)	4287403007 (0xFF8C93FF)
YUV	157.2190, 48.2060, -15.1011
Hunter-Lab	58.0197, 19.3701, -60.5884

Details

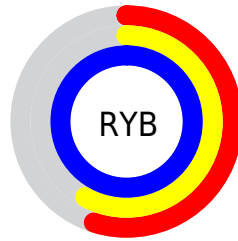
The XYZ color **39.2989, 33.6629, 99.0340** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.5422, 90.2900, 38.0482**, and the grayscale version is **31.9498, 33.6137, 36.6053**.

A 20% lighter version of the original color is **62.2253, 60.9991, 103.1021**, and **17.9474, 14.4204, 55.2636** is the 20% darker color. If you saturate the color by 10%, you get **32.1449, 25.0107, 97.7411**, and if you desaturate by 10%, it is **48.2259, 44.3808, 100.6323**.

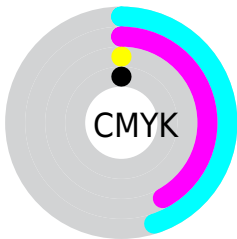
Distribution



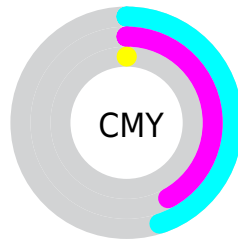
- Red (55%)
- Green (58%)
- Blue (100%)



- Red (55%)
- Yellow (58%)
- Blue (100%)



- Cyan (45%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2989, 33.6629, 99.0340 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 39.2989, 33.6629, 99.0340 by changing the saturation by 10% instead.


 39.2989, 33.6629,
99.0340


 39.2989, 33.6629,
99.0340


334.3449,
318.6263, 578.3113

 27.1741, 22.6348,
74.8817

 73.3859, 65.4091,
161.8693

 17.8413, 14.3240,
55.0148

 96.0787, 86.8960,
201.3894

 10.9351, 8.3464,
39.0149


123.0250,
112.6378, 246.8691

 6.0902, 4.3174,
26.4634

154.5901,
143.0191, 298.7270

 2.9412, 1.8526,
16.9418

191.1392,
178.4242, 357.3816

 1.1227, 0.5197,
10.0315

233.0378,

 0.0440, 0.0000,

219.2375, 423.2515

5.3139

280.6513,
265.8434, 496.7553

■ 0.0000, 0.0000,
2.3707

■ 0.0000, 0.0000,
0.7704

■ 39.2989, 33.6629,
99.0340

■ 39.2989, 33.6629,
99.0340

■ 32.1449, 25.0107,
97.7411

■ 48.2259, 44.3808,
100.6323

■ 26.6421, 18.2878,
96.7334

■ 59.0296, 57.2819,
102.5531

■ 22.6591, 13.3470,
95.9897

■ 71.8100, 72.4793,
104.8129

■ 20.0425, 10.0181,
95.4851

■ 86.6591, 90.0770,
107.4269

■ 18.6067, 8.0977,
95.1901

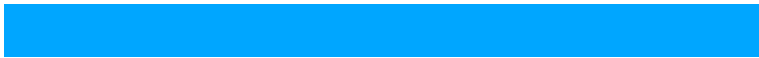
95.0500, 100.0000,
108.9000

■ 18.2282, 7.5764,
95.1094

Harmonies

Analogous

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



30.3794, 33.6629, 106.9232



39.2989, 33.6629, 99.0340



47.4021, 33.6629, 71.8481

Triad

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



39.2989, 33.6629, 99.0340



42.6563, 33.6629, 10.0666



18.1930, 33.6629, 32.1432

Complementary

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



39.2989, 33.6629, 99.0340



79.5422, 90.2900, 38.0482

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.



20.3514, 33.6629, 15.3698



39.2989, 33.6629, 99.0340



33.6681, 33.6629, 6.8291

Square

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



39.2989, 33.6629, 99.0340



49.5711, 33.6629, 20.4067



25.6582, 33.6629, 8.2053



19.1594, 33.6629, 59.8160

Rectangle

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



39.2989, 33.6629, 99.0340



50.7155, 33.6629, 51.0332



25.6582, 33.6629, 8.2053



18.5631, 33.6629, 25.2652

Sweetspot

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



39.3001, 33.6640, 99.0342



73.3351, 74.2893, 105.0818



63.4161, 83.8319, 101.1047



15.0592, 15.1443, 22.3794



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.



39.3001, 33.6640, 99.0342



32.8464, 25.8625, 97.8685



48.6231, 36.9036, 99.1681



17.0917, 17.5550, 22.7376



9.5586, 4.0268, 49.7080



0.9604, 0.4515, 4.8498

Inverse Universe

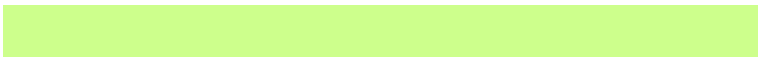
The Inverse Universe completely reimagines the original color for something new.



55.8854, 42.1242, 32.7900



51.3815, 35.5507, 23.7841



65.7174, 86.4167, 38.0293



18.0542, 18.0050, 18.9025



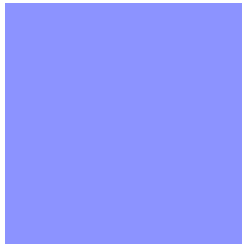
21.6130, 11.1345, 1.3464



2.1194, 1.0901, 0.2101

Previews

White Background



This preview shows how the XYZ color 39.2989, 33.6629, 99.0340 looks on a white background.

Color Contrast Check

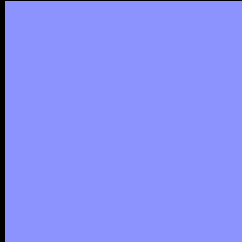
Large Text (above 18pt) WCAG AA × Fail

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 39.2989, 33.6629, 99.0340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

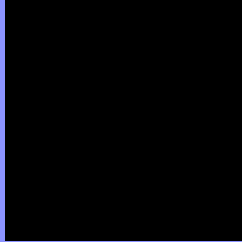
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2989, 33.6629, 99.0340

Background



This preview shows how black text looks on a background with the XYZ color 39.2989, 33.6629, 99.0340.



This preview shows how white text looks on a background with the XYZ color 39.2989, 33.6629,

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

39.2989, 33.6629, 99.0340

Protanopia

36.6437, 33.7155, 99.1841

Deuteranopia

34.9322, 33.8584, 97.6227



Tritanopia

28.8190, 33.6472, 46.5706

Trichromacy



Original Color

39.2989, 33.6629, 99.0340

Protanomaly

37.5741, 33.7132, 99.1347

Deuteranomaly

36.2201, 33.5156, 98.3261

Tritanomaly

31.9987, 33.3735, 62.5128

Monochromacy



Original Color

39.2989, 33.6629, 99.0340

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.7794, 33.2120, 55.0823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2989, 33.6629, 99.0340 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(140, 147, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 147, 255)  
}
```

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(140, 147, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 147, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.2989, 33.6629, 99.0340 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(140, 147, 255) }
```


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

```
.border{ border-color:rgb(140, 147, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 147, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 147, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 147, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 147,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2989, 33.6629, 99.0340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 147, 255) }
```

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

```
.background{ background-color: rgb(140,  
147, 255) }
```

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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