

Converting Colors

XYZ(40.0308, 33.7054, 99.0037)

Have a look what the booklet for
XYZ(40.0308, 33.7054, 99.0037)
contains.

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Color

**XYZ(40.1829, 33.8888,
99.0311)**

Conversions

Conversions Part 1

Format	Color
Hex	9292FF
RGB	146, 146, 255
RGB Percent	57%, 57%, 100%
CMY	0.4274, 0.4274, 0.0000
CMYK	0.43, 0.43, 0.00, 0.00
HSL	240°, 100%, 79%
HSV	240°, 43%, 100%
XYZ	40.1829, 33.8888, 99.0311
YIQ	158.4260, -34.9890, 33.8990

Conversions

Conversions Part 2

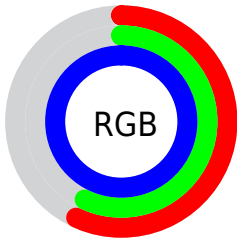
Format	Color
RYB	146, 146, 255
Decimal	9605887
CIELab	64.87, 26.67, -54.34
CIElCh	65, 60.530, 296.142
Yxy	33.8888, 0.2321, 0.1958
Android (android.graphics.Color)	4287795967 (0xFF9292FF)
YUV	158.4260, 47.6110, -10.8976
Hunter-Lab	58.2141, 21.3369, -60.1115

Details

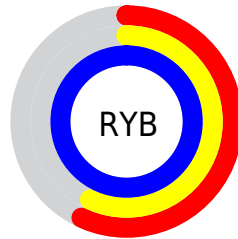
The XYZ color **40.1829, 33.8888, 99.0311** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.1879, 94.8551, 41.1723**, and the grayscale version is **32.4957, 34.1880, 37.2307**.

A 20% lighter version of the original color is **63.6061, 61.3659, 103.1001**, and **18.4004, 14.5177, 55.2585** is the 20% darker color. If you saturate the color by 10%, you get **32.6430, 24.8034, 97.6748**, and if you desaturate by 10%, it is **49.6126, 45.2507, 100.7271**.

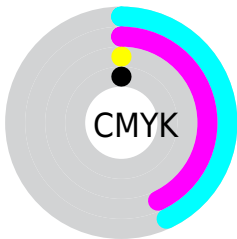
Distribution



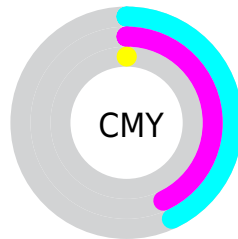
- Red (57%)
- Green (57%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1829, 33.8888, 99.0311 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 40.1829, 33.8888, 99.0311 by changing the saturation by 10% instead.

■ 40.1829, 33.8888,
99.0311

■ 40.1829, 33.8888,
99.0311

338.0151,
319.6359, 578.3019

■ 27.8660, 22.8082,
74.8792

■ 74.7245, 65.7607,
161.8653

■ 18.3646, 14.4519,
55.0128

■ 97.6800, 87.3208,
201.3847

■ 11.3134, 8.4357,
39.0133

124.9123,
113.1428, 246.8638

■ 6.3469, 4.3750,
26.4622

156.7869,
143.6112, 298.7209

■ 3.0998, 1.8854,
16.9409

193.6692,
179.1103, 357.3748

■ 1.2067, 0.5396,
10.0308

235.9244,

■ 0.1117, 0.0000,

220.0245, 423.2439

5.3135

283.9179,
266.7383, 496.7468

■ 0.0000, 0.0000,
2.3704

■ 0.0000, 0.0000,
0.7703

■ 40.1829, 33.8888,
99.0311

■ 40.1829, 33.8888,
99.0311

■ 32.6430, 24.8034,
97.6748

■ 49.6126, 45.2507,
100.7271

■ 26.8623, 17.8380,
96.6350

■ 61.0437, 59.0245,
102.7833

■ 22.6994, 12.8221,
95.8863

■ 74.5835, 75.3391,
105.2187

■ 19.9897, 9.5572,
95.3989

■ 90.3305, 94.3133,
108.0511

■ 18.5336, 7.8026,
95.1370

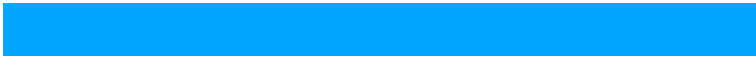
95.0500, 100.0000,
108.9000

■ 18.0501, 7.2200,
95.0500

Harmonies

Analogous

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



31.0944, 33.8888, 108.6068



40.1829, 33.8888, 99.0311



48.2494, 33.8888, 70.6687

Triad

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



40.1829, 33.8888, 99.0311



42.4920, 33.8888, 9.6511



18.2022, 33.8888, 33.7592

Complementary

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



40.1829, 33.8888, 99.0311



82.1879, 94.8551, 41.1723

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.



20.1894, 33.8888, 16.0796



40.1829, 33.8888, 99.0311



33.3526, 33.8888, 6.7221

Square

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



40.1829, 33.8888, 99.0311



49.7427, 33.8888, 19.5184



25.3688, 33.8888, 8.3881



19.3737, 33.8888, 62.3786

Rectangle

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



40.1829, 33.8888, 99.0311



51.4014, 33.8888, 49.6472



25.3688, 33.8888, 8.3881



18.5118, 33.8888, 26.5446

Sweetspot

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



40.1841, 33.8899, 99.0312



74.2099, 74.8889, 105.1515



65.6645, 84.8512, 107.5248



15.2070, 15.2137, 22.3850



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.



40.1841, 33.8899, 99.0312



33.8277, 26.2309, 97.8879



52.2828, 40.1271, 99.5974



17.0031, 17.3778, 22.7080



9.4316, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

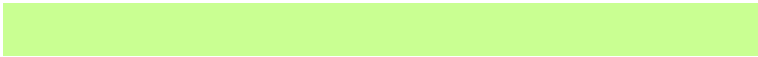
The Inverse Universe completely reimagines the original color for something new.



69.5690, 49.0384, 100.4050



66.6170, 43.1344, 99.4207



64.9020, 85.9439, 40.3633



18.7927, 18.3004, 22.7917



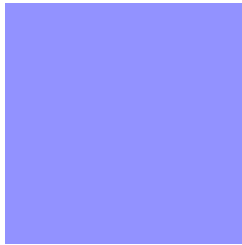
30.9800, 14.8813, 50.6724



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 40.1829, 33.8888, 99.0311 looks on a white background.

Color Contrast Check

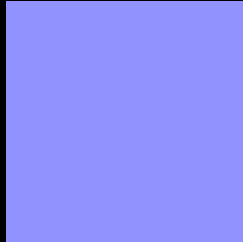
Large Text (above 18pt) WCAG AA × Fail

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 40.1829, 33.8888, 99.0311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

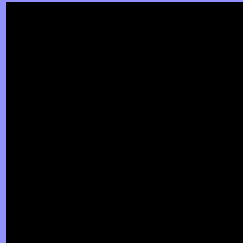
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1829, 33.8888, 99.0311

Background



This preview shows how black text looks on a background with the XYZ color 40.1829, 33.8888, 99.0311.



This preview shows how white text looks on a background with the XYZ color 40.1829, 33.8888,

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

40.1829, 33.8888, 99.0311

Protanopia

36.9417, 34.1131, 99.2452

Deuteranopia

34.9945, 33.9089, 96.7961



Tritanopia

29.5379, 33.7646, 46.0347

Trichromacy



Original Color

40.1829, 33.8888, 99.0311

Protanomaly

38.0187, 33.9424, 99.1555

Deuteranomaly

36.4570, 33.6562, 97.5033

Tritanomaly

32.7493, 33.5083, 62.4993

Monochromacy



Original Color

40.1829, 33.8888, 99.0311

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.5077, 33.8315, 55.1635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1829, 33.8888, 99.0311 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(146, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 146, 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(146, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.1829, 33.8888, 99.0311 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(146, 146, 255) }
```


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

```
.border{ border-color:rgb(146, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1829, 33.8888, 99.0311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 146, 255) }
```

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

```
.background{ background-color: rgb(146,  
146, 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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