

Converting Colors

XYZ(39.1486, 38.3261, 99.9416)

Have a look what the booklet for
XYZ(39.1486, 38.3261, 99.9416)
contains.

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Color

**XYZ(39.1574, 38.3440,
99.9451)**

Conversions

Conversions Part 1

Format	Color
Hex	76A6FF
RGB	118, 166, 255
RGB Percent	46%, 65%, 100%
CMY	0.5372, 0.3490, 0.0000
CMYK	0.54, 0.35, 0.00, 0.00
HSL	219°, 100%, 73%
HSV	219°, 54%, 100%
XYZ	39.1574, 38.3440, 99.9451
YIQ	161.7940, -57.1770, 17.5030

Conversions

Conversions Part 2

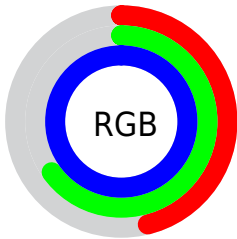
Format	Color
R _Y B	118, 154, 255
Decimal	7775999
CIE Lab	68.27, 8.80, -49.07
CIE LCh	68, 49.854, 280.164
Yxy	38.3440, 0.2207, 0.2161
Android (android.graphics.Color)	4285966079 (0xFF76A6FF)
YUV	161.7940, 45.9506, -38.4073
Hunter-Lab	61.9225, 4.5120, -52.3503

Details

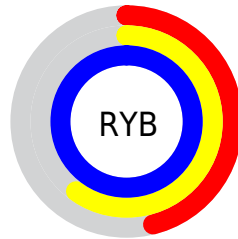
The XYZ color **39.1574, 38.3440, 99.9451** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.8241, 67.1956, 26.5895**, and the grayscale version is **34.0588, 35.8325, 39.0216**.

A 20% lighter version of the original color is **62.0379, 68.2800, 104.5174**, and **17.8451, 17.1230, 55.7906** is the 20% darker color. If you saturate the color by 10%, you get **33.3310, 31.1547, 98.8645**, and if you desaturate by 10%, it is **46.3101, 46.7941, 101.1991**.

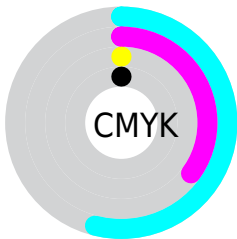
Distribution



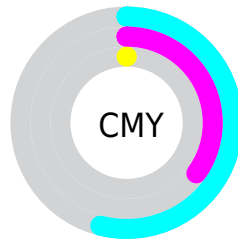
- Red (46%)
- Green (65%)
- Blue (100%)



- Red (46%)
- Yellow (60%)
- Blue (100%)



- Cyan (54%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1574, 38.3440, 99.9451 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 39.1574, 38.3440, 99.9451 by changing the saturation by 10% instead.

■ 39.1574, 38.3440,
99.9451

■ 39.1574, 38.3440,
99.9451

333.7549,
339.0933, 581.2618

■ 27.0635, 26.2498,
75.6381

■ 73.1712, 72.6351,
163.1330

■ 17.7577, 17.0106,
55.6309

■ 95.8219, 95.6008,
202.8508

■ 10.8748, 10.2420,
39.5051

■ 122.7221,
122.9590, 248.5428

■ 6.0494, 5.5597,
26.8420

154.2373,
155.0943, 300.6273

■ 2.9161, 2.5793,
17.2232

190.7328,
192.3910, 359.5229

■ 1.1095, 0.9163,
10.2301

232.5740,

■ 0.0331, 0.0000,

235.2335, 425.6482

5.4442

280.1263,
284.0061, 499.4216

■ 0.0000, 0.0000,
2.4469

■ 0.0000, 0.0000,
0.8118

■ 39.1574, 38.3440,
99.9451

■ 39.1574, 38.3440,
99.9451

■ 33.3310, 31.1547,
98.8645

■ 46.3101, 46.7941,
101.1991

■ 28.7349, 25.1531,
97.9483

■ 54.8679, 56.5644,
102.6339

■ 25.2653, 20.2630,
97.1873

■ 64.9074, 67.7147,
104.2570

■ 22.7959, 16.3944,
96.5707

■ 76.4987, 80.2999,
106.0753

■ 21.6507, 14.4215,
96.2502

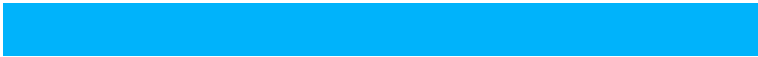
■ 89.7069, 94.3714,
108.0952

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.



31.5864, 38.3440, 96.6263



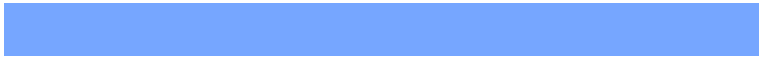
39.1574, 38.3440, 99.9451



47.0051, 38.3440, 83.9558

Triad

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



39.1574, 38.3440, 99.9451



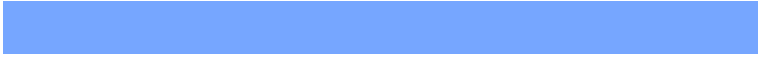
49.1570, 38.3440, 19.7138



24.0734, 38.3440, 28.7993

Complementary

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



39.1574, 38.3440, 99.9451



66.8241, 67.1956, 26.5895

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.



27.5980, 38.3440, 16.7671



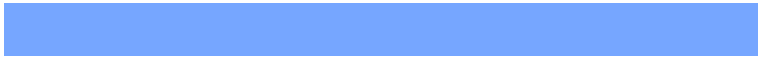
39.1574, 38.3440, 99.9451



41.7775, 38.3440, 12.9687

Square

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



39.1574, 38.3440, 99.9451



53.3001, 38.3440, 34.6165



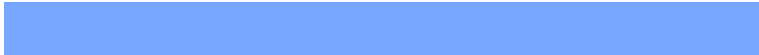
33.8605, 38.3440, 12.1273



23.5801, 38.3440, 49.8020

Rectangle

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



39.1574, 38.3440, 99.9451



51.0726, 38.3440, 66.9887



33.8605, 38.3440, 12.1273



24.9164, 38.3440, 23.8113

Sweetspot

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



39.1587, 38.3453, 99.9452



73.7196, 77.3055, 105.6438



54.2236, 79.7686, 70.1505



15.2565, 15.9812, 22.5305



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.



39.1587, 38.3453, 99.9452



33.1876, 30.9728, 98.8369



34.7267, 25.4354, 97.6870



17.5235, 18.4187, 22.8815



11.4390, 7.7875, 50.3348



1.2117, 0.9540, 4.9336

Inverse Universe

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



54.6023, 36.9716, 40.3359



50.4729, 31.0489, 31.7572



73.8667, 90.7869, 30.7719



18.2721, 18.0922, 20.0503



22.5621, 11.5141, 6.3443



2.2462, 1.1409, 0.8779

Previews

White Background



This preview shows how the XYZ color 39.1574, 38.3440, 99.9451 looks on a white background.

Color Contrast Check

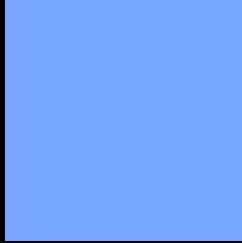
Large Text (above 18pt) WCAG AA × Fail

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 39.1574, 38.3440, 99.9451 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

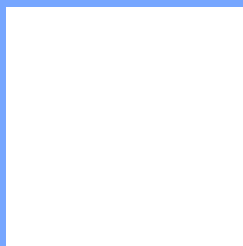
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.1574, 38.3440, 99.9451

Background



This preview shows how black text looks on a background with the XYZ color 39.1574, 38.3440, 99.9451.



This preview shows how white text looks on a background with the XYZ color 39.1574, 38.3440,

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

39.1574, 38.3440, 99.9451

Protanopia

40.4994, 38.2910, 97.3518

Deuteranopia

39.3903, 38.1952, 99.9041



Tritanopia

30.5696, 38.5773, 56.2870

Trichromacy



Original Color

39.1574, 38.3440, 99.9451

Protanomaly

39.9072, 38.2320, 98.2047

Deuteranomaly

39.2509, 38.1233, 99.8975

Tritanomaly

33.2396, 38.1730, 70.5820

Monochromacy



Original Color

39.1574, 38.3440, 99.9451

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.9151, 36.2909, 57.3892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1574, 38.3440, 99.9451 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(118, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 166, 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(118, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 166, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.1574, 38.3440, 99.9451 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(118, 166, 255) }
```


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

```
.border{ border-color:rgb(118, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 166,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1574, 38.3440, 99.9451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 166, 255) }
```

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

```
.background{ background-color: rgb(118,  
166, 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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