

Converting Colors

XYZ(39.2397, 36.8691, 97.5181)

Have a look what the booklet for
XYZ(39.2397, 36.8691, 97.5181)
contains.

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Color

**XYZ(39.1948, 36.8370,
97.1399)**

Conversions

Conversions Part 1

Format	Color
Hex	81A0FC
RGB	129, 160, 252
RGB Percent	51%, 63%, 99%
CMY	0.4941, 0.3725, 0.0118
CMYK	0.49, 0.37, 0.00, 0.01
HSL	225°, 95%, 75%
HSV	225°, 49%, 99%
XYZ	39.1948, 36.8370, 97.1399
YIQ	161.2190, -48.0080, 22.0400

Conversions

Conversions Part 2

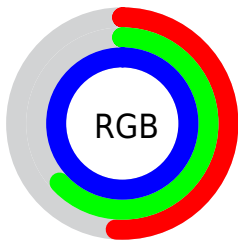
Format	Color
RYB	129, 154, 252
Decimal	8495356
CIELab	67.15, 13.74, -49.16
CIELCh	67, 51.048, 285.612
Yxy	36.8370, 0.2263, 0.2127
Android (android.graphics.Color)	4286685436 (0xFF81A0FC)
YUV	161.2190, 44.7550, -28.2561
Hunter-Lab	60.6935, 9.0586, -52.4082

Details

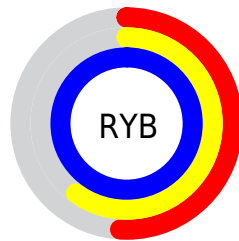
The XYZ color **39.1948, 36.8370, 97.1399** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.9658, 73.9962, 31.3661**, and the grayscale version is **33.7938, 35.5537, 38.7180**.

A 20% lighter version of the original color is **62.5901, 65.8779, 104.0246**, and **17.7732, 16.1426, 53.8088** is the 20% darker color. If you saturate the color by 10%, you get **32.8047, 29.0546, 95.9753**, and if you desaturate by 10%, it is **47.0269, 46.0993, 98.5156**.

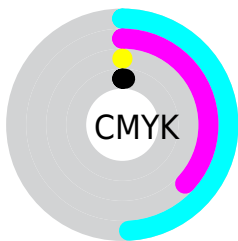
Distribution



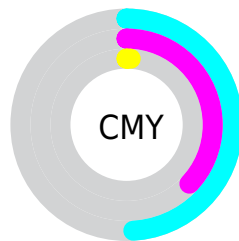
- Red (51%)
- Green (63%)
- Blue (99%)



- Red (51%)
- Yellow (60%)
- Blue (99%)



- Cyan (49%)
- Magenta (37%)
- Yellow (0%)
- Black (1%)



- Cyan (49%)
- Magenta (37%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1948, 36.8370, 97.1399 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 39.1948, 36.8370, 97.1399 by changing the saturation by 10% instead.

■ 39.1948, 36.8370,
97.1399

■ 39.1948, 36.8370,
97.1399

333.9109,
332.6043, 572.1516

■ 27.0927, 25.0813,
73.3106

■ 73.2280, 70.3220,
159.2386

■ 17.7798, 16.1376,
53.7366

■ 95.8898, 92.8201,
198.3450

■ 10.8907, 9.6216,
37.9994

■ 122.8022,
119.6679, 243.3810

■ 6.0602, 5.1488,
25.6804

154.3306,
151.2496, 294.7649

■ 2.9227, 2.3348,
16.3611

190.8403,
187.9497, 352.9154

■ 1.1130, 0.7921,
9.6229

232.6967,

■ 0.0360, 0.0000,

230.1526, 418.2510

5.0473

280.2651,
278.2426, 491.1902

■ 0.0000, 0.0000,
2.2158

■ 0.0000, 0.0000,
0.6835

■ 39.1948, 36.8370,
97.1399

■ 39.1948, 36.8370,
97.1399

■ 32.8047, 29.0546,
95.9753

■ 47.0269, 46.0993,
98.5156

■ 27.7594, 22.6674,
95.0083

■ 56.3811, 56.9121,
100.1097

■ 23.9560, 17.5873,
94.2282

■ 67.3363, 69.3458,
101.9322

■ 21.2728, 13.7130,
93.6218

■ 79.9648, 83.4651,
103.9920

■ 19.5424, 10.9156,
93.1731

94.3317, 99.3302,
106.2970

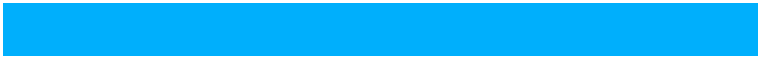
■ 19.3765, 10.6398,
93.1286

94.5708, 99.8083,
106.3767

Harmonies

Analogous

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



31.4252, 36.8370, 97.5678



39.1948, 36.8370, 97.1399



46.8281, 36.8370, 78.1632

Triad

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



39.1948, 36.8370, 97.1399



46.5542, 36.8370, 16.6218



22.4290, 36.8370, 30.3773

Complementary

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



39.1948, 36.8370, 97.1399



69.9658, 73.9962, 31.3661

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.



25.3730, 36.8370, 16.9842



39.1948, 36.8370, 97.1399



38.8629, 36.8370, 11.2767

Square

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



39.1948, 36.8370, 97.1399



51.4870, 36.8370, 29.6485



31.1388, 36.8370, 11.3787



22.4905, 36.8370, 52.7797

Rectangle

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



39.1948, 36.8370, 97.1399



50.4812, 36.8370, 60.5283



31.1388, 36.8370, 11.3787



23.0784, 36.8370, 24.8920

Sweetspot

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



39.1962, 36.8383, 97.1408



73.8934, 76.5382, 105.4865



56.6777, 79.4141, 79.4987



15.2484, 15.7455, 22.4854



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.



39.1962, 36.8383, 97.1408



33.5653, 29.6808, 98.5676



39.4645, 29.9697, 95.8009



16.6384, 17.3537, 21.8580



10.1916, 5.7388, 48.5441



1.0246, 0.6928, 4.5229

Inverse Universe

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



54.3416, 38.9359, 37.9100



51.1633, 33.2387, 29.4937



69.2981, 86.9425, 33.9002



17.4240, 17.2970, 18.8227



21.4363, 10.9902, 3.7399



2.0261, 1.0342, 0.5607

Previews

White Background



This preview shows how the XYZ color 39.1948, 36.8370, 97.1399 looks on a white background.

Color Contrast Check

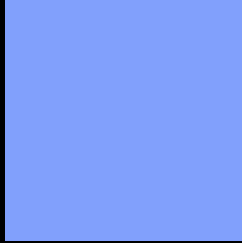
Large Text (above 18pt) WCAG AA × Fail

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 39.1948, 36.8370, 97.1399 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 39.1948, 36.8370, 97.1399

Background



This preview shows how black text looks on a background with the XYZ color 39.1948, 36.8370, 97.1399.



This preview shows how white text looks on a background with the XYZ color 39.1948, 36.8370,

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

39.1948, 36.8370, 97.1399

Protanopia

39.3474, 36.9157, 97.1471

Deuteranopia

37.9810, 37.0110, 96.4088



Tritanopia

30.2199, 36.7262, 52.5098

Trichromacy



Original Color

39.1948, 36.8370, 97.1399

Protanomaly

39.3474, 36.9157, 97.1471

Deuteranomaly

38.3590, 36.9433, 96.3758

Tritanomaly

32.9630, 36.4214, 66.9207

Monochromacy



Original Color

39.1948, 36.8370, 97.1399

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.8769, 35.7743, 56.1059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1948, 36.8370, 97.1399 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(129, 160, 252)` looks like.

```
.text, #text, p{  
    color:rgb(129, 160, 252)  
}
```

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(129, 160, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 160, 252) }
```

Border

The CSS property to change the border of an element to XYZ 39.1948, 36.8370, 97.1399 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(129, 160, 252) }
```


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

```
.border{ border-color:rgb(129, 160, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 160, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 160, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 160, 252);  
box-shadow:4px 4px 4px 4px rgb(129, 160,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1948, 36.8370, 97.1399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 160, 252) }
```

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

```
.background{ background-color: rgb(129,  
160, 252) }
```

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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