

Converting Colors

XYZ(41.1894, 37.9235,
107.2943)

Have a look what the booklet for
XYZ(41.1894, 37.9235, 107.2943)
contains.

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Color

**XYZ(39.6970, 37.2989,
99.7149)**

Conversions

Conversions Part 1

Format	Color
Hex	80A1FF
RGB	128, 161, 255
RGB Percent	50%, 63%, 100%
CMY	0.4980, 0.3686, 0.0000
CMYK	0.50, 0.37, 0.00, 0.00
HSL	224°, 100%, 75%
HSV	224°, 50%, 100%
XYZ	39.6970, 37.2989, 99.7149
YIQ	161.8490, -49.8420, 22.2380

Conversions

Conversions Part 2

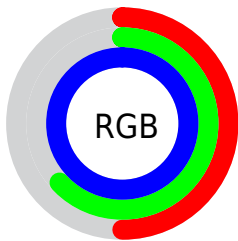
Format	Color
RYB	128, 154, 255
Decimal	8430079
CIELab	67.50, 13.83, -50.25
CIELCh	68, 52.123, 285.386
Yxy	37.2989, 0.2246, 0.2111
Android (android.graphics.Color)	4286620159 (0xFF80A1FF)
YUV	161.8490, 45.9234, -29.6856
Hunter-Lab	61.0728, 9.1466, -54.0531

Details

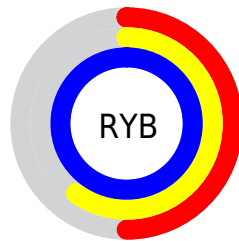
The XYZ color **39.6970, 37.2989, 99.7149** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.2591, 75.0635, 31.1572**, and the grayscale version is **34.0820, 35.8570, 39.0482**.

A 20% lighter version of the original color is **63.0994, 66.8965, 104.1944**, and **18.1529, 16.4580, 55.6460** is the 20% darker color. If you saturate the color by 10%, you get **33.2790, 29.4584, 98.5398**, and if you desaturate by 10%, it is **47.5790, 46.6344, 101.1014**.

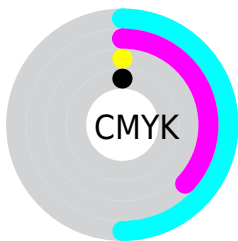
Distribution



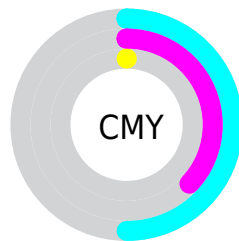
- Red (50%)
- Green (63%)
- Blue (100%)



- Red (50%)
- Yellow (60%)
- Blue (100%)



- Cyan (50%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6970, 37.2989, 99.7149 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 39.6970, 37.2989, 99.7149 by changing the saturation by 10% instead.

■ 39.6970, 37.2989,
99.7149

■ 39.6970, 37.2989,
99.7149

336.0012,
334.6028, 580.5171

■ 27.4855, 25.4390,
75.4469

■ 73.9892, 71.0323,
162.8138

■ 18.0767, 16.4044,
55.4752

■ 96.8006, 93.6745,
202.4818

■ 11.1051, 9.8108,
39.3811

■ 123.8760,
120.6797, 248.1202

■ 6.2054, 5.2737,
26.7462

155.5809,
152.4321, 300.1475

■ 3.0122, 2.4087,
17.1520

192.2805,
189.3162, 358.9823

■ 1.1602, 0.8304,
10.1798

234.3401,

■ 0.0746, 0.0000,

231.7165, 425.0432

5.4112

282.1252,
280.0172, 498.7486

■ 0.0000, 0.0000,
2.4275

■ 0.0000, 0.0000,
0.8014

■ 39.6970, 37.2989,
99.7149

■ 39.6970, 37.2989,
99.7149

■ 33.2790, 29.4584,
98.5398

■ 47.5790, 46.6344,
101.1014

■ 28.2255, 23.0268,
97.5647

■ 57.0081, 57.5369,
102.7088

■ 24.4294, 17.9140,
96.7779

■ 68.0653, 70.0779,
104.5467

■ 21.7645, 14.0163,
96.1660

■ 80.8249, 84.3234,
106.6239

■ 20.0415, 11.1936,
95.7120

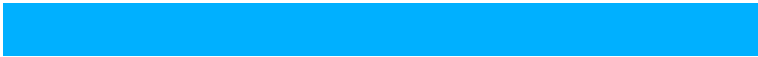
95.0500, 100.0000,
108.9000

■ 20.0131, 11.1462,
95.7044

Harmonies

Analogous

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



31.7057, 37.2989, 99.9951



39.6970, 37.2989, 99.7149



47.5846, 37.2989, 80.1372

Triad

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



39.6970, 37.2989, 99.7149



47.4063, 37.2989, 16.6093



22.5387, 37.2989, 30.4685

Complementary

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



39.6970, 37.2989, 99.7149



71.2591, 75.0635, 31.1572

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.



25.5789, 37.2989, 16.8420



39.6970, 37.2989, 99.7149



39.4812, 37.2989, 11.1360

Square

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



39.6970, 37.2989, 99.7149



52.4716, 37.2989, 29.9970



31.5200, 37.2989, 11.2010



22.5784, 37.2989, 53.4758

Rectangle

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



39.6970, 37.2989, 99.7149



51.3785, 37.2989, 61.8939



31.5200, 37.2989, 11.2010



23.2116, 37.2989, 24.8712

Sweetspot

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



39.6983, 37.3001, 99.7151



73.9749, 76.7012, 105.5137



57.7322, 81.3373, 81.1579



15.2679, 15.7843, 22.4919



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.



39.6983, 37.3001, 99.7151



33.1657, 29.3173, 98.5185



39.7995, 29.8925, 98.2799



17.3867, 18.1449, 22.8359



10.5589, 6.0275, 50.0415



1.1121, 0.7548, 4.9004

Inverse Universe

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



55.3932, 39.2733, 38.3801



50.8553, 32.7083, 29.1269



70.8229, 89.1455, 33.8983



18.2031, 18.0645, 19.6865



22.1179, 11.3364, 4.0052



2.1959, 1.1207, 0.6132

Previews

White Background



This preview shows how the XYZ color 39.6970, 37.2989, 99.7149 looks on a white background.

Color Contrast Check

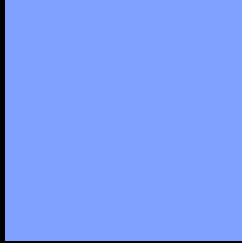
Large Text (above 18pt) WCAG AA × Fail

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 39.6970, 37.2989, 99.7149 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 39.6970, 37.2989, 99.7149

Background



This preview shows how black text looks on a background with the XYZ color 39.6970, 37.2989, 99.7149.



This preview shows how white text looks on a background with the XYZ color 39.6970, 37.2989,

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

39.6970, 37.2989, 99.7149

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.5010, 37.4886, 98.9727



Tritanopia

30.5787, 37.4599, 53.7629

Trichromacy



Original Color

39.6970, 37.2989, 99.7149

Protanomaly

39.8481, 37.3769, 99.7220

Deuteranomaly

38.8717, 37.4151, 98.9390

Tritanomaly

33.4552, 37.1984, 68.3675

Monochromacy



Original Color

39.6970, 37.2989, 99.7149

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.4618, 36.3102, 57.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6970, 37.2989, 99.7149 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(128, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 161, 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(128, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.6970, 37.2989, 99.7149 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(128, 161, 255) }
```


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

```
.border{ border-color:rgb(128, 161, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6970, 37.2989, 99.7149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 161, 255) }
```

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

```
.background{ background-color: rgb(128,  
161, 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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