

Converting Colors

XYZ(46.7333, 40.7494,
140.8353)

Have a look what the booklet for
XYZ(46.7333, 40.7494, 140.8353)
contains.

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Color

**XYZ(38.9332, 37.6929,
99.8312)**

Conversions

Conversions Part 1

Format	Color
Hex	77A4FF
RGB	119, 164, 255
RGB Percent	47%, 64%, 100%
CMY	0.5333, 0.3569, 0.0000
CMYK	0.53, 0.36, 0.00, 0.00
HSL	220°, 100%, 73%
HSV	220°, 53%, 100%
XYZ	38.9332, 37.6929, 99.8312
YIQ	160.9190, -56.0310, 18.7610

Conversions

Conversions Part 2

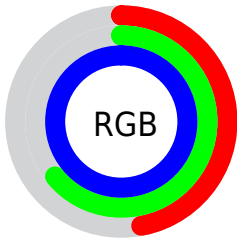
Format	Color
R _Y B	119, 153, 255
Decimal	7841023
CIE Lab	67.79, 10.15, -49.82
CIE LCh	68, 50.849, 281.518
Yxy	37.6929, 0.2206, 0.2136
Android (android.graphics.Color)	4286031103 (0xFF77A4FF)
YUV	160.9190, 46.3819, -36.7630
Hunter-Lab	61.3945, 5.7549, -53.4329

Details

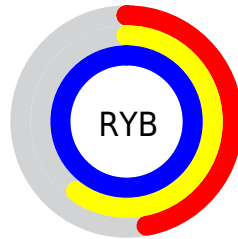
The XYZ color **38.9332, 37.6929, 99.8312** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.6177, 68.6871, 27.1488**, and the grayscale version is **33.6502, 35.4026, 38.5534**.

A 20% lighter version of the original color is **61.7416, 67.3480, 104.3531**, and **17.6737, 16.6997, 55.7179** is the 20% darker color. If you saturate the color by 10%, you get **33.0399, 30.4223, 98.7384**, and if you desaturate by 10%, it is **46.1774, 46.2693, 101.1048**.

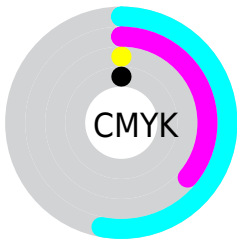
Distribution



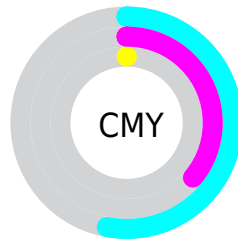
- Red (47%)
- Green (64%)
- Blue (100%)



- Red (47%)
- Yellow (60%)
- Blue (100%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9332, 37.6929, 99.8312 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 38.9332, 37.6929, 99.8312 by changing the saturation by 10% instead.

■ 38.9332, 37.6929,
99.8312

■ 38.9332, 37.6929,
99.8312

332.8185,
336.3008, 580.8934

■ 26.8883, 25.7444,
75.5435

■ 72.8310, 71.6372,
162.9750

■ 17.6255, 16.6325,
55.5538

■ 95.4145, 94.4018,
202.6682

■ 10.7795, 9.9729,
39.4437

■ 122.2417,
121.5406, 248.3337

■ 5.9850, 5.3810,
26.7946

153.6777,
153.4379, 300.3899

■ 2.8765, 2.4725,
17.1880

190.0881,
190.4782, 359.2555

■ 1.0888, 0.8628,
10.2052

231.8381,

■ 0.0157, 0.0000,

233.0458, 425.3489

5.4279

279.2931,
281.5252, 499.0887

■ 0.0000, 0.0000,
2.4373

■ 0.0000, 0.0000,
0.8067

■ 38.9332, 37.6929,
99.8312

■ 38.9332, 37.6929,
99.8312

■ 33.0399, 30.4223,
98.7384

■ 46.1774, 46.2693,
101.1048

■ 28.4006, 24.3817,
97.8170

■ 54.8523, 56.2135,
102.5670

■ 24.9101, 19.4917,
97.0571

■ 65.0358, 67.5878,
104.2257

■ 22.4415, 15.6596,
96.4476

■ 76.7988, 80.4493,
106.0883

■ 21.2492, 13.6185,
96.1164

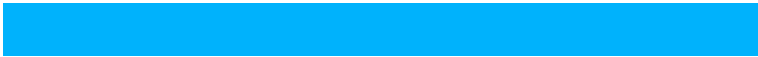
■ 90.2075, 94.8517,
108.1615

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.



31.2402, 37.6929, 97.3876



38.9332, 37.6929, 99.8312



46.8211, 37.6929, 82.7898

Triad

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



38.9332, 37.6929, 99.8312



48.3917, 37.6929, 18.4965



23.3059, 37.6929, 28.7797

Complementary

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



38.9332, 37.6929, 99.8312



67.6177, 68.6871, 27.1488

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.



26.7029, 37.6929, 16.3940



38.9332, 37.6929, 99.8312



40.8398, 37.6929, 12.1342

Square

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



38.9332, 37.6929, 99.8312



52.7920, 37.6929, 32.9818



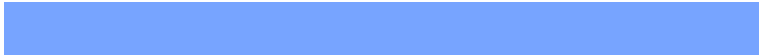
32.8886, 37.6929, 11.5396



22.9506, 37.6929, 50.3169

Rectangle

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



38.9332, 37.6929, 99.8312



50.8397, 37.6929, 65.3692



32.8886, 37.6929, 11.5396



24.1039, 37.6929, 23.6502

Sweetspot

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



38.9345, 37.6941, 99.8314



73.5008, 76.8678, 105.5708



54.9602, 80.0790, 73.3167



15.2047, 15.8776, 22.5133



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.



38.9345, 37.6941, 99.8314



32.6914, 29.9805, 98.6715



35.7467, 26.1369, 97.7686



17.4939, 18.3595, 22.8717



11.2245, 7.3586, 50.2633



1.1882, 0.9071, 4.9257

Inverse Universe

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



54.5386, 37.1356, 39.4165



50.2224, 30.9487, 30.4384



72.4775, 90.0639, 31.0188



18.2572, 18.0862, 19.9716



22.4538, 11.4708, 5.7742



2.2344, 1.1361, 0.8155

Previews

White Background



This preview shows how the XYZ color 38.9332, 37.6929, 99.8312 looks on a white background.

Color Contrast Check

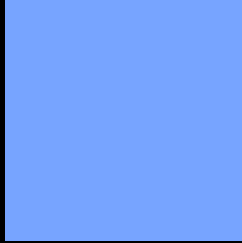
Large Text (above 18pt) WCAG AA × Fail

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 38.9332, 37.6929, 99.8312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

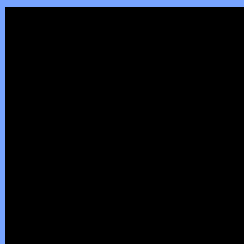
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

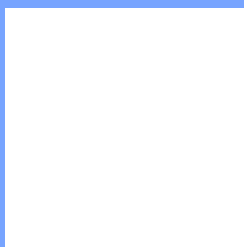
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9332, 37.6929, 99.8312

Background



This preview shows how black text looks on a background with the XYZ color 38.9332, 37.6929, 99.8312.



This preview shows how white text looks on a background with the XYZ color 38.9332, 37.6929,

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

38.9332, 37.6929, 99.8312

Protanopia

39.9902, 37.4871, 98.0565

Deuteranopia

38.7967, 37.6225, 99.8248



Tritanopia

30.0559, 37.7473, 54.9921

Trichromacy



Original Color

38.9332, 37.6929, 99.8312

Protanomaly

39.5621, 37.5084, 98.9206

Deuteranomaly

38.7967, 37.6225, 99.8248

Tritanomaly

32.7158, 37.3633, 69.1059

Monochromacy



Original Color

38.9332, 37.6929, 99.8312

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.6247, 35.8918, 56.7326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9332, 37.6929, 99.8312 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(119, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 164, 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(119, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.9332, 37.6929, 99.8312 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(119, 164, 255) }
```


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

```
.border{ border-color:rgb(119, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9332, 37.6929, 99.8312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 164, 255) }
```

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

```
.background{ background-color: rgb(119,  
164, 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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