

Converting Colors

XYZ(37.3074, 32.3668, 98.8888)

Have a look what the booklet for
XYZ(37.3074, 32.3668, 98.8888)
contains.

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Color

**XYZ(37.3821, 32.4449,
98.9000)**

Conversions

Conversions Part 1

Format	Color
Hex	8192FF
RGB	129, 146, 255
RGB Percent	51%, 57%, 100%
CMY	0.4941, 0.4274, 0.0000
CMYK	0.49, 0.43, 0.00, 0.00
HSL	232°, 100%, 75%
HSV	232°, 49%, 100%
XYZ	37.3821, 32.4449, 98.9000
YIQ	153.3430, -45.1210, 30.2950

Conversions

Conversions Part 2

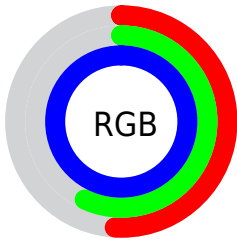
Format	Color
R _Y B	129, 144, 255
Decimal	8491775
CIE Lab	63.71, 22.76, -56.26
CIE LCh	64, 60.692, 292.027
Yxy	32.4449, 0.2216, 0.1923
Android (android.graphics.Color)	4286681855 (0xFF8192FF)
YUV	153.3430, 50.1169, -21.3488
Hunter-Lab	56.9604, 17.4656, -63.0725

Details

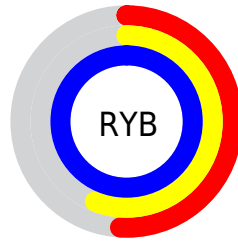
The XYZ color **37.3821, 32.4449, 98.9000** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.7783, 83.9961, 32.9897**, and the grayscale version is **30.2313, 31.8056, 34.6363**.

A 20% lighter version of the original color is **59.4433, 59.2199, 102.9053**, and **16.7598, 13.6719, 55.1817** is the 20% darker color. If you saturate the color by 10%, you get **30.9021, 24.5343, 97.7146**, and if you desaturate by 10%, it is **45.4869, 42.1679, 100.3495**.

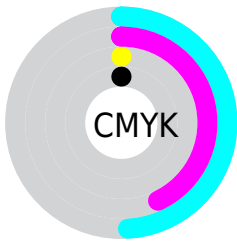
Distribution



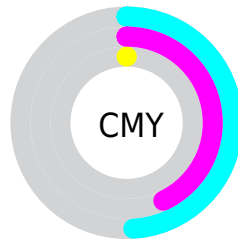
- Red (51%)
- Green (57%)
- Blue (100%)



- Red (51%)
- Yellow (56%)
- Blue (100%)



- Cyan (49%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3821, 32.4449, 98.9000 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 37.3821, 32.4449, 98.9000 by changing the saturation by 10% instead.

■ 37.3821, 32.4449,
98.9000

■ 37.3821, 32.4449,
98.9000

326.2887,
313.1410, 577.8767

■ 25.6785, 21.7015,
74.7704

■ 70.4701, 63.5079,
161.6834

■ 16.7147, 13.6378,
54.9243

■ 92.5852, 84.5963,
201.1743

■ 10.1253, 7.8692,
38.9429

■ 118.9015,
109.9019, 246.6227

■ 5.5450, 4.0113,
26.4078

149.7844,
139.8091, 298.4472

■ 2.6085, 1.6799,
16.9005

185.5992,
174.7021, 357.0663

■ 0.9503, 0.4106,
10.0024

226.7113,

■ 0.0000, 0.0000,

214.9656, 422.8986

5.2949

273.4860,
260.9837, 496.3625

■ 0.0000, 0.0000,
2.3596

■ 0.0000, 0.0000,
0.7643

■ 37.3821, 32.4449,
98.9000

■ 37.3821, 32.4449,
98.9000

■ 30.9021, 24.5343,
97.7146

■ 45.4869, 42.1679,
100.3495

■ 25.9321, 18.3195,
96.7770

■ 55.3136, 53.8038,
102.0776

■ 22.3480, 13.6748,
96.0694

■ 66.9555, 67.4492,
104.0978

■ 20.0032, 10.4552,
95.5715

■ 80.4986, 83.1935,
106.4230

■ 18.6907, 8.4735,
95.2582

95.0500, 100.0000,
108.9000

■ 18.6335, 8.3870,
95.2445

Harmonies

Analogous

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



28.6262, 32.4449, 104.9051



37.3821, 32.4449, 98.9000



45.5979, 32.4449, 72.6583

Triad

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



37.3821, 32.4449, 98.9000



42.0257, 32.4449, 9.7856



17.3197, 32.4449, 29.2247

Complementary

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



37.3821, 32.4449, 98.9000



75.7783, 83.9961, 32.9897

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.



19.6658, 32.4449, 13.6456



37.3821, 32.4449, 98.9000



33.1606, 32.4449, 6.2924

Square

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



37.3821, 32.4449, 98.9000



48.6036, 32.4449, 20.5204



25.1058, 32.4449, 7.2781



18.0338, 32.4449, 55.9483

Rectangle

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



37.3821, 32.4449, 98.9000



49.1412, 32.4449, 51.8263



25.1058, 32.4449, 7.2781



17.7586, 32.4449, 22.7636

Sweetspot

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



37.3833, 32.4460, 98.9001



72.6884, 74.1282, 105.0848



59.9691, 82.2495, 92.1487



14.9617, 15.1720, 22.3899



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.



37.3833, 32.4460, 98.9001



31.1371, 24.8243, 97.7582



43.1574, 31.8180, 98.4746



17.2005, 17.7727, 22.7739



9.7965, 4.5026, 49.7873



1.0117, 0.5540, 4.8669

Inverse Universe

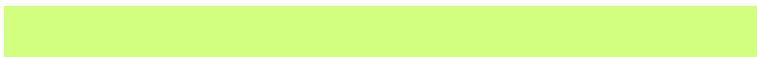
The Inverse Universe completely reimagines the original color for something new.



54.2794, 39.0373, 31.8691



49.9377, 32.7484, 23.0395



66.5587, 86.9395, 34.0437



18.1091, 18.0270, 19.1918



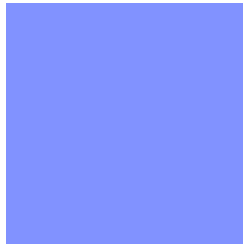
21.7330, 11.1825, 1.9786



2.1452, 1.1005, 0.3463

Previews

White Background



This preview shows how the XYZ color 37.3821, 32.4449, 98.9000 looks on a white background.

Color Contrast Check

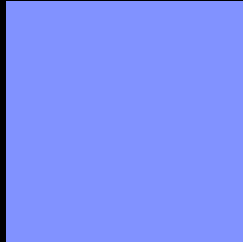
Large Text (above 18pt) WCAG AA × Fail

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 37.3821, 32.4449, 98.9000 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 37.3821, 32.4449, 98.9000

Background



This preview shows how black text looks on a background with the XYZ color 37.3821, 32.4449, 98.9000.



This preview shows how white text looks on a background with the XYZ color 37.3821, 32.4449,

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

37.3821, 32.4449, 98.9000

Protanopia

35.5119, 32.4122, 98.9922

Deuteranopia

33.7654, 32.7587, 97.4719



Tritanopia

26.7594, 32.3322, 45.9047

Trichromacy



Original Color

37.3821, 32.4449, 98.9000

Protanomaly

36.2687, 32.5664, 98.9821

Deuteranomaly

34.9433, 32.6155, 98.2196

Tritanomaly

30.0158, 32.0991, 62.3714

Monochromacy



Original Color

37.3821, 32.4449, 98.9000

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.7022, 31.4597, 53.1166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3821, 32.4449, 98.9000 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, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 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(129, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 146, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.3821, 32.4449, 98.9000 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, 146, 255) }
```


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

```
.border{ border-color:rgb(129, 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(129, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 146,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3821, 32.4449, 98.9000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 146, 255) }
```

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

```
.background{ background-color: rgb(129,  
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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