

Converting Colors

XYZ(37.6242, 31.3623, 89.6414)

Have a look what the booklet for
XYZ(37.6242, 31.3623, 89.6414)
contains.

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Color

**XYZ(37.7398, 31.4909,
89.6772)**

Conversions

Conversions Part 1

Format	Color
Hex	938CF4
RGB	147, 140, 244
RGB Percent	58%, 55%, 96%
CMY	0.4235, 0.4510, 0.0431
CMYK	0.40, 0.43, 0.00, 0.04
HSL	244°, 83%, 75%
HSV	244°, 43%, 96%
XYZ	37.7398, 31.4909, 89.6772
YIQ	153.9490, -29.2120, 33.8280

Conversions

Conversions Part 2

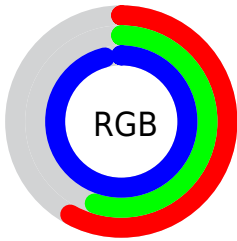
Format	Color
R _Y B	147, 140, 244
Decimal	9669876
CIE Lab	62.92, 27.33, -51.40
CIE LCh	63, 58.216, 297.997
Yxy	31.4909, 0.2375, 0.1982
Android (android.graphics.Color)	4287859956 (0xFF938CF4)
YUV	153.9490, 44.3951, -6.0943
Hunter-Lab	56.1168, 21.8410, -55.4665

Details

The XYZ color **37.7398, 31.4909, 89.6772** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.0096, 84.5998, 37.3460**, and the grayscale version is **30.5146, 32.1037, 34.9609**.

A 20% lighter version of the original color is **62.2436, 58.6409, 102.6460**, and **16.9402, 13.1243, 48.6541** is the 20% darker color. If you saturate the color by 10%, you get **30.8768, 23.2345, 88.4459**, and if you desaturate by 10%, it is **46.2029, 41.7465, 91.2113**.

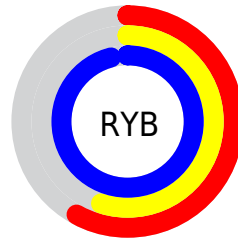
Distribution



Red (58%)

Green (55%)

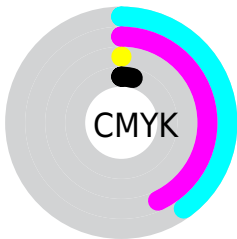
Blue (96%)



Red (58%)

Yellow (55%)

Blue (96%)

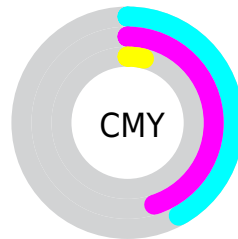


Cyan (40%)

Magenta (43%)

Yellow (0%)

Black (4%)



Cyan (42%)

Magenta (45%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7398, 31.4909, 89.6772 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 37.7398, 31.4909, 89.6772 by changing the saturation by 10% instead.

■ 37.7398, 31.4909,
89.6772

■ 37.7398, 31.4909,
89.6772

327.8027,
308.7936, 547.5232

■ 25.9571, 20.9729,
67.1407

■ 71.0156, 62.0121,
148.8215

■ 16.9241, 13.1042,
48.7367

■ 93.2394, 82.7842,
186.2665

■ 10.2753, 7.5004,
34.0465

■ 119.6744,
107.7431, 229.5180

■ 5.6456, 3.7769,
22.6517

150.6857,
137.2731, 278.9947

■ 2.6694, 1.5496,
14.1337

186.6389,
171.7588, 335.1150

■ 0.9814, 0.3232,
8.0739

227.8992,

■ 0.0000, 0.0000,

211.5846, 398.2975

4.0538

274.8320,
257.1347, 468.9607

■ 0.0000, 0.0000,
1.6549

■ 0.0000, 0.0000,
0.3296

■ 37.7398, 31.4909,
89.6772

■ 37.7398, 31.4909,
89.6772

■ 30.8768, 23.2345,
88.4459

■ 46.2029, 41.7465,
91.2113

■ 25.5094, 16.8435,
87.4952

■ 56.3543, 54.1164,
93.0639

■ 21.5268, 12.1733,
86.8037

■ 68.2801, 68.7112,
95.2524

■ 18.8010, 9.0563,
86.3457

■ 82.0595, 85.6328,
97.7923

■ 17.1797, 7.2913,
86.0905

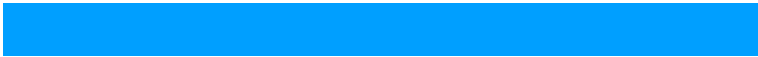
■ 93.3293, 99.3117,
99.8387

■ 16.5503, 6.6456,
85.9990

Harmonies

Analogous

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



29.3972, 31.4909, 99.7586



37.7398, 31.4909, 89.6772



44.9454, 31.4909, 63.3006

Triad

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



37.7398, 31.4909, 89.6772



38.8362, 31.4909, 8.8701



17.0504, 31.4909, 32.7726

Complementary

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



37.7398, 31.4909, 89.6772



72.0096, 84.5998, 37.3460

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.



18.6994, 31.4909, 15.8531



37.7398, 31.4909, 89.6772



30.4716, 31.4909, 6.4310

Square

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



37.7398, 31.4909, 89.6772



45.6536, 31.4909, 17.5004



23.2815, 31.4909, 8.2601



18.3095, 31.4909, 59.3745

Rectangle

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



37.7398, 31.4909, 89.6772



47.6188, 31.4909, 44.2796



23.2815, 31.4909, 8.2601



17.2758, 31.4909, 25.9257

Sweetspot

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



37.7410, 31.4920, 89.6780



74.8972, 75.2433, 105.1836



57.4487, 72.7149, 96.5961



15.3736, 15.2995, 22.3928



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.



37.7410, 31.4920, 89.6780



35.1618, 26.9187, 97.9503



49.2436, 37.4218, 90.2163



15.6844, 15.9800, 20.8004



9.0380, 3.6336, 46.7630



0.8298, 0.3376, 4.1117

Inverse Universe

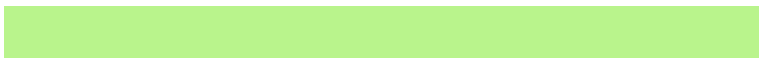
The Inverse Universe completely reimagines the original color for something new.



61.9730, 44.1046, 85.3671



65.2395, 42.5835, 92.1670



57.1088, 76.9182, 36.6487



17.1626, 16.7479, 20.6030



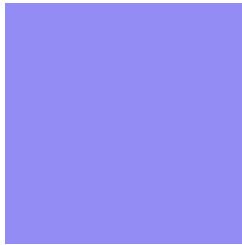
27.8890, 13.4990, 40.9852



2.4654, 1.1921, 3.6772

Previews

White Background



This preview shows how the XYZ color 37.7398, 31.4909, 89.6772 looks on a white background.

Color Contrast Check

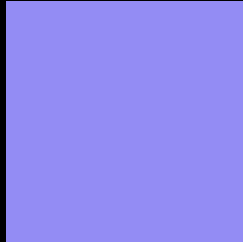
Large Text (above 18pt) WCAG AA × Fail

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 37.7398, 31.4909, 89.6772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

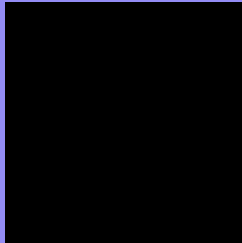
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7398, 31.4909, 89.6772

Background



This preview shows how black text looks on a background with the XYZ color 37.7398, 31.4909, 89.6772.



This preview shows how white text looks on a background with the XYZ color 37.7398, 31.4909,

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

37.7398, 31.4909, 89.6772

Protanopia

34.7485, 31.8382, 96.4094

Deuteranopia

32.5849, 31.6321, 87.6073



Tritanopia

28.1032, 31.3086, 42.0981

Trichromacy



Original Color

37.7398, 31.4909, 89.6772

Protanomaly

35.5461, 31.6083, 93.8501

Deuteranomaly

34.0881, 31.4422, 88.2767

Tritanomaly

31.0235, 31.0325, 56.5793

Monochromacy



Original Color

37.7398, 31.4909, 89.6772

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.4796, 31.6621, 51.4132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7398, 31.4909, 89.6772 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(147, 140, 244)` looks like.

```
.text, #text, p{  
    color:rgb(147, 140, 244)  
}
```

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(147, 140, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 140, 244) }
```

Border

The CSS property to change the border of an element to XYZ 37.7398, 31.4909, 89.6772 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(147, 140, 244) }
```


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

```
.border{ border-color:rgb(147, 140, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 140, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 140, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 140, 244);  
box-shadow:4px 4px 4px 4px rgb(147, 140,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7398, 31.4909, 89.6772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 140, 244) }
```

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

```
.background{ background-color: rgb(147,  
140, 244) }
```

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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