

Converting Colors

XYZ(37.8581, 31.4191, 71.5536)

Have a look what the booklet for
XYZ(37.8581, 31.4191, 71.5536)
contains.

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Color

**XYZ(37.9431, 31.5598,
71.8020)**

Conversions

Conversions Part 1

Format	Color
Hex	A78ADC
RGB	167, 138, 220
RGB Percent	65%, 54%, 86%
CMY	0.3451, 0.4588, 0.1373
CMYK	0.24, 0.37, 0.00, 0.14
HSL	261°, 54%, 70%
HSV	261°, 37%, 86%
XYZ	37.9431, 31.5598, 71.8020
YIQ	156.0190, -9.0380, 31.6500

Conversions

Conversions Part 2

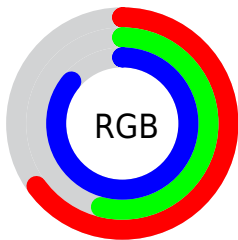
Format	Color
RYB	167, 138, 220
Decimal	10980060
CIELab	62.98, 27.74, -37.91
CIELCh	63, 46.978, 306.189
Yxy	31.5598, 0.2685, 0.2233
Android (android.graphics.Color)	4289170140 (0xFFA78ADC)
YUV	156.0190, 31.5426, 9.6303
Hunter-Lab	56.1781, 22.2485, -36.4547

Details

The XYZ color **37.9431, 31.5598, 71.8020** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **51.6674, 64.0985, 33.6951**, and the grayscale version is **31.4760, 33.1152, 36.0625**.

A 20% lighter version of the original color is **67.3311, 60.6072, 102.7574**, and **17.0913, 13.2068, 37.2457** is the 20% darker color. If you saturate the color by 10%, you get **32.2601, 24.4101, 70.7220**, and if you desaturate by 10%, it is **44.5980, 40.1608, 73.1120**.

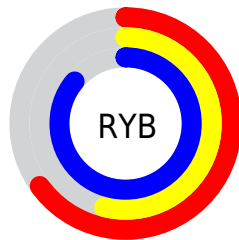
Distribution



Red (65%)

Green (54%)

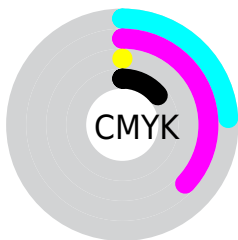
Blue (86%)



Red (65%)

Yellow (54%)

Blue (86%)

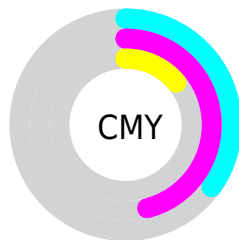


Cyan (24%)

Magenta (37%)

Yellow (0%)

Black (14%)



Cyan (35%)

Magenta (46%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9431, 31.5598, 71.8020 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 37.9431, 31.5598, 71.8020 by changing the saturation by 10% instead.

37.9431, 31.5598,
71.8020

37.9431, 31.5598,
71.8020

328.6609,
309.1091, 485.8111

26.1155, 21.0255,
52.5111

71.3254, 62.1204,
123.4801

17.0432, 13.1426,
37.0276

93.6108, 82.9154,
156.7044

10.3608, 7.5268,
24.9329

120.1129,
107.8995, 195.4102

5.7029, 3.7937,
15.8085

151.1970,
137.4570, 240.0160

2.7042, 1.5588,
9.2359

187.2285,
171.9723, 290.9405

0.9994, 0.3296,
4.7964

228.5728,

0.0000, 0.0000,

211.8298, 348.6022

2.0717

275.5951,
257.4139, 413.4195

■ 0.0000, 0.0000,
0.5988

■ 0.0000, 0.0000,
0.0000

■ 37.9431, 31.5598,
71.8020

■ 37.9431, 31.5598,
71.8020

■ 32.2601, 24.4101,
70.7220

■ 44.5980, 40.1608,
73.1120

■ 27.4961, 18.6248,
69.8565

■ 52.2670, 50.2857,
74.6621

■ 23.5979, 14.1132,
69.1911

■ 60.9941, 62.0068,
76.4645

■ 20.5050, 10.7718,
68.7091

■ 70.8193, 75.3904,
78.5299

■ 18.1475, 8.4796,
68.3910

■ 81.7806, 90.4990,
80.8685

■ 16.4359, 7.0774,
68.2105

■ 88.9392, 97.4426,
81.8314

■ 16.0443, 6.7788,
68.1735

■ 89.9184, 97.9474,
81.8772

Harmonies

Analogous

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



31.3556, 31.5598, 83.2366



37.9431, 31.5598, 71.8020



42.8532, 31.5598, 50.8146

Triad

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



37.9431, 31.5598, 71.8020



35.2948, 31.5598, 11.0142



19.2667, 31.5598, 38.3423

Complementary

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



37.9431, 31.5598, 71.8020



51.6674, 64.0985, 33.6951

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.



20.0090, 31.5598, 21.9117



37.9431, 31.5598, 71.8020



28.6775, 31.5598, 9.7456

Square

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



37.9431, 31.5598, 71.8020



41.1771, 31.5598, 17.3504



23.2452, 31.5598, 12.9095



21.0487, 31.5598, 59.9321

Rectangle

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



37.9431, 31.5598, 71.8020



44.1725, 31.5598, 36.7815



23.2452, 31.5598, 12.9095



19.2333, 31.5598, 32.0534

Sweetspot

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



37.9442, 31.5611, 71.8027



80.3871, 80.1130, 105.8342



42.0968, 47.9643, 74.7500



16.8472, 16.6651, 22.5787



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.



37.9442, 31.5611, 71.8027



46.4814, 35.8528, 99.0782



47.9358, 36.7119, 72.2703



12.7710, 12.8401, 16.4574



9.5261, 4.0351, 40.0152



0.7089, 0.3087, 2.5967

Inverse Universe

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



48.0086, 37.1554, 53.9326



62.8457, 44.9657, 69.2653



42.8146, 59.5347, 33.2808



13.4087, 13.1926, 15.4133



20.2510, 10.1014, 16.2338



1.3523, 0.6706, 1.2643

Previews

White Background



This preview shows how the XYZ color 37.9431, 31.5598, 71.8020 looks on a white background.

Color Contrast Check

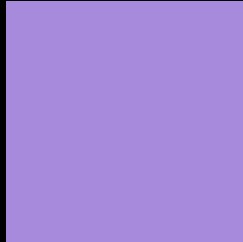
Large Text (above 18pt) WCAG AA × Fail

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 37.9431, 31.5598, 71.8020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

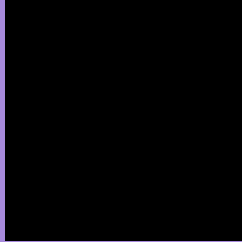
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9431, 31.5598, 71.8020

Background



This preview shows how black text looks on a background with the XYZ color 37.9431, 31.5598, 71.8020.



This preview shows how white text looks on a background with the XYZ color 37.9431, 31.5598,

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

37.9431, 31.5598, 71.8020

Protanopia

33.6467, 31.8858, 79.2441

Deuteranopia

32.4931, 31.7322, 70.0580



Tritanopia

31.1382, 31.4892, 38.6193

Trichromacy



Original Color

37.9431, 31.5598, 71.8020

Protanomaly

34.8216, 31.6242, 76.2203

Deuteranomaly

34.0891, 31.3705, 70.5881

Tritanomaly

33.3233, 31.4502, 49.1139

Monochromacy



Original Color

37.9431, 31.5598, 71.8020

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.3813, 32.2231, 47.1081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9431, 31.5598, 71.8020 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(167, 138, 220)` looks like.

```
.text, #text, p{  
    color:rgb(167, 138, 220)  
}
```

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(167, 138, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 138, 220) }
```

Border

The CSS property to change the border of an element to XYZ 37.9431, 31.5598, 71.8020 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(167, 138, 220) }
```


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

```
.border{ border-color:rgb(167, 138, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 138, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 138, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 138, 220); box-shadow:4px 4px 4px 4px rgb(167, 138, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9431, 31.5598, 71.8020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 138, 220) }
```

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

```
.background{ background-color: rgb(167,  
138, 220) }
```

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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