

Converting Colors

XYZ(39.9472, 31.9806, 80.4113)

Have a look what the booklet for
XYZ(39.9472, 31.9806, 80.4113)
contains.

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Color

**XYZ(39.9472, 31.9806,
80.4113)**

Conversions

Conversions Part 1

Format	Color
Hex	AA88E8
RGB	170, 136, 232
RGB Percent	67%, 53%, 91%
CMY	0.3333, 0.4667, 0.0902
CMYK	0.27, 0.41, 0.00, 0.09
HSL	261°, 68%, 72%
HSV	261°, 41%, 91%
XYZ	39.9472, 31.9806, 80.4113
YIQ	157.1100, -10.5520, 37.0640

Conversions

Conversions Part 2

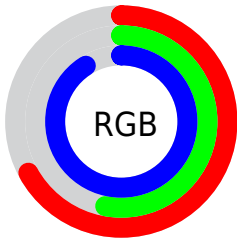
Format	Color
R _Y B	170, 136, 232
Decimal	11176168
CIE Lab	63.33, 32.60, -44.01
CIE LCh	63, 54.770, 306.532
Yxy	31.9806, 0.2622, 0.2099
Android (android.graphics.Color)	4289366248 (0xFFAA88E8)
YUV	157.1100, 36.9208, 11.3045
Hunter-Lab	56.5514, 27.1252, -44.7194

Details

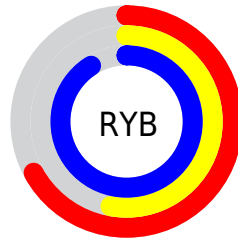
The XYZ color **39.9472, 31.9806, 80.4113** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.5900, 71.4972, 34.1115**, and the grayscale version is **31.9409, 33.6043, 36.5951**.

A 20% lighter version of the original color is **68.1420, 60.3778, 102.6704**, and **18.2345, 13.4350, 42.7064** is the 20% darker color. If you saturate the color by 10%, you get **33.9701, 24.5631, 79.2952**, and if you desaturate by 10%, it is **47.0029, 41.0051, 81.7819**.

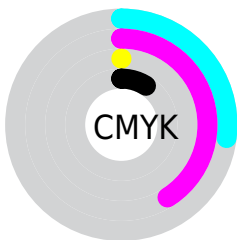
Distribution



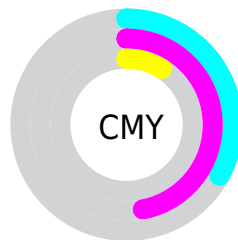
- Red (67%)
- Green (53%)
- Blue (91%)



- Red (67%)
- Yellow (53%)
- Blue (91%)



- Cyan (27%)
- Magenta (41%)
- Yellow (0%)
- Black (9%)



- Cyan (33%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9472, 31.9806, 80.4113 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 39.9472, 31.9806, 80.4113 by changing the saturation by 10% instead.

■ 39.9472, 31.9806,
80.4113

■ 39.9472, 31.9806,
80.4113

337.0392,
311.0309, 516.0611

■ 27.6814, 21.3467,
59.5287

■ 74.3680, 62.7807,
135.7605

■ 18.2249, 13.3777,
42.6161

■ 97.2536, 83.7156,
171.0641

■ 11.2122, 7.6891,
29.2548

■ 124.4100,
108.8530, 212.0119

■ 6.2781, 3.8967,
19.0264

156.2023,
138.5773, 259.0223

■ 3.0572, 1.6159,
11.5124

192.9961,
173.2728, 312.5139

■ 1.1841, 0.3683,
6.2941

235.1566,

■ 0.0937, 0.0000,

213.3240, 372.9052

2.9531

283.0492,
259.1152, 440.6148

■ 0.0000, 0.0000,
1.0707

■ 0.0000, 0.0000,
0.0000

■ 39.9472, 31.9806,
80.4113

■ 39.9472, 31.9806,
80.4113

■ 33.9701, 24.5631,
79.2952

■ 47.0029, 41.0051,
81.7819

■ 29.0097, 18.6504,
78.4153

■ 55.1875, 51.7228,
83.4192

■ 25.0026, 14.1339,
77.7548

■ 64.5520, 64.2181,
85.3375

■ 21.8759, 10.8883,
77.2931

■ 75.1431, 78.5686,
87.5492

■ 19.5441, 8.7642,
77.0060

■ 87.0051, 94.8473,
90.0661

■ 18.0599, 7.6276,
76.8649

■ 91.5656, 98.6062,
90.5513

Harmonies

Analogous

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



32.0888, 31.9806, 95.1112



39.9472, 31.9806, 80.4113



45.8604, 31.9806, 54.2786

Triad

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



39.9472, 31.9806, 80.4113



36.5925, 31.9806, 8.8182



18.0715, 31.9806, 39.8006

Complementary

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



39.9472, 31.9806, 80.4113



56.5900, 71.4972, 34.1115

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.



18.8702, 31.9806, 20.6777



39.9472, 31.9806, 80.4113



28.7650, 31.9806, 7.6024

Square

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



39.9472, 31.9806, 80.4113



43.7090, 31.9806, 15.3837



22.5042, 31.9806, 10.8636



20.1055, 31.9806, 66.1316

Rectangle

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



39.9472, 31.9806, 80.4113



47.4322, 31.9806, 37.4135



22.5042, 31.9806, 10.8636



18.0234, 31.9806, 32.3519

Sweetspot

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



39.9484, 31.9818, 80.4120



79.1528, 78.4492, 105.5782



45.0055, 51.6328, 83.9385



16.6004, 16.3329, 22.5276



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.



39.9484, 31.9818, 80.4120



42.8619, 31.3734, 98.4043



52.1645, 38.2795, 80.9837



14.0620, 14.1342, 18.1314



10.1501, 4.2985, 42.6779



0.8482, 0.3682, 3.1583

Inverse Universe

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



52.2767, 38.8424, 58.1689



60.5074, 41.2136, 65.6363



45.9529, 66.0136, 33.6137



14.7670, 14.5240, 16.9735



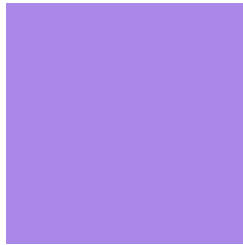
21.5857, 10.7685, 17.2452



1.6389, 0.8133, 1.5048

Previews

White Background



This preview shows how the XYZ color 39.9472, 31.9806, 80.4113 looks on a white background.

Color Contrast Check

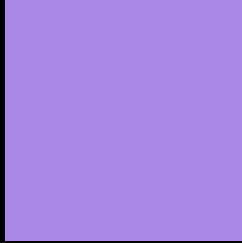
Large Text (above 18pt) WCAG AA × Fail

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 39.9472, 31.9806, 80.4113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

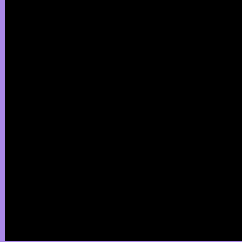
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9472, 31.9806, 80.4113

Background



This preview shows how black text looks on a background with the XYZ color 39.9472, 31.9806, 80.4113.



This preview shows how white text looks on a background with the XYZ color 39.9472, 31.9806,

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

39.9472, 31.9806, 80.4113

Protanopia

34.5716, 32.1263, 89.9668

Deuteranopia

33.2798, 32.4327, 78.6348



Tritanopia

31.5821, 31.9457, 39.1519

Trichromacy



Original Color

39.9472, 31.9806, 80.4113

Protanomaly

36.0069, 31.7763, 86.6737

Deuteranomaly

35.1979, 31.9839, 79.1813

Tritanomaly

34.2563, 31.8700, 51.9230

Monochromacy



Original Color

39.9472, 31.9806, 80.4113

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.2995, 32.6370, 49.8392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9472, 31.9806, 80.4113 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(170, 136, 232)` looks like.

```
.text, #text, p{  
    color:rgb(170, 136, 232)  
}
```

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(170, 136, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 136, 232) }
```

Border

The CSS property to change the border of an element to XYZ 39.9472, 31.9806, 80.4113 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(170, 136, 232) }
```


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

```
.border{ border-color:rgb(170, 136, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 136, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 136, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 136, 232);  
box-shadow:4px 4px 4px 4px rgb(170, 136,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9472, 31.9806, 80.4113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 136, 232) }
```

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

```
.background{ background-color: rgb(170,  
136, 232) }
```

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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