

Converting Colors

XYZ(39.6275, 28.9906, 89.9406)

Have a look what the booklet for
XYZ(39.6275, 28.9906, 89.9406)
contains.

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Color

**XYZ(39.7128, 29.0833,
89.9067)**

Conversions

Conversions Part 1

Format	Color
Hex	A87BF5
RGB	168, 123, 245
RGB Percent	66%, 48%, 96%
CMY	0.3412, 0.5176, 0.0392
CMYK	0.31, 0.50, 0.00, 0.04
HSL	262°, 86%, 72%
HSV	262°, 50%, 96%
XYZ	39.7128, 29.0833, 89.9067
YIQ	150.3630, -12.3420, 47.4820

Conversions

Conversions Part 2

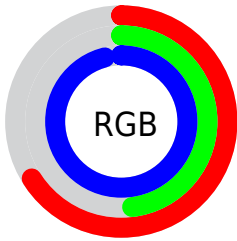
Format	Color
RYB	168, 123, 245
Decimal	11041781
CIELab	60.86, 42.52, -55.12
CIElCh	61, 69.619, 307.647
Yxy	29.0833, 0.2502, 0.1833
Android (android.graphics.Color)	4289231861 (0xFFA87BF5)
YUV	150.3630, 46.6560, 15.4676
Hunter-Lab	53.9289, 37.0702, -61.0941

Details

The XYZ color **39.7128, 29.0833, 89.9067** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **60.0473, 79.0147, 30.8263**, and the grayscale version is **28.9562, 30.4642, 33.1755**.

A 20% lighter version of the original color is **64.9394, 54.4394, 101.6929**, and **18.1417, 11.8407, 48.9063** is the 20% darker color. If you saturate the color by 10%, you get **33.9467, 22.1500, 88.8729**, and if you desaturate by 10%, it is **46.6331, 37.7413, 91.2137**.

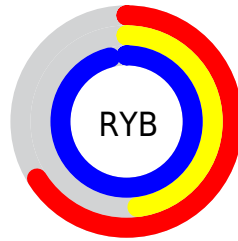
Distribution



Red (66%)

Green (48%)

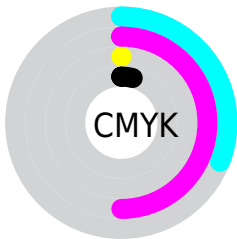
Blue (96%)



Red (66%)

Yellow (48%)

Blue (96%)

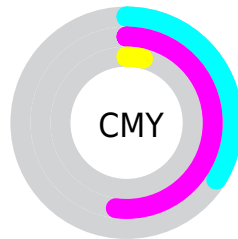


Cyan (31%)

Magenta (50%)

Yellow (0%)

Black (4%)



Cyan (34%)

Magenta (52%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7128, 29.0833, 89.9067 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 39.7128, 29.0833, 89.9067 by changing the saturation by 10% instead.

39.7128, 29.0833,
89.9067

39.7128, 29.0833,
89.9067

336.0668,
297.6078, 548.2896

27.4979, 19.1438,
67.3300

74.0131, 58.2094,
149.1432

18.0860, 11.7743,
48.8896

96.8292, 78.1648,
186.6400

11.1118, 6.5902,
34.1669

123.9098,
102.2277, 229.9473

6.2100, 3.2071,
22.7434

155.6202,
130.7825, 279.4836

3.0150, 1.2408,
14.2007

192.3257,
164.2135, 335.6674

1.1617, 0.0947,
8.1200

234.3917,

0.0758, 0.0000,

202.9051, 398.9174

4.0830

282.1836,
247.2417, 469.6519

■ 0.0000, 0.0000,
1.6710

■ 0.0000, 0.0000,
0.3407

■ 39.7128, 29.0833,
89.9067

■ 39.7128, 29.0833,
89.9067

■ 33.9467, 22.1500,
88.8729

■ 46.6331, 37.7413,
91.2137

■ 29.2597, 16.8154,
88.0902

■ 54.7689, 48.2311,
92.8096

■ 25.5726, 12.9410,
87.5367

■ 64.1812, 60.6549,
94.7116

■ 22.7911, 10.3615,
87.1854

■ 74.9253, 75.1060,
96.9346

■ 20.7708, 8.8119,
86.9928

■ 87.0534, 91.6718,
99.4929

■ 20.7342, 8.7850,
86.9896

■ 93.4815, 99.3726,
100.6405

Harmonies

Analogous

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



30.0276, 29.0833, 111.3659



39.7128, 29.0833, 89.9067



47.0972, 29.0833, 54.6941

Triad

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



39.7128, 29.0833, 89.9067



34.8146, 29.0833, 4.3023



13.7178, 29.0833, 38.7843

Complementary

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



39.7128, 29.0833, 89.9067



60.0473, 79.0147, 30.8263

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.



14.4542, 29.0833, 16.2250



39.7128, 29.0833, 89.9067



25.3878, 29.0833, 3.4863

Square

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



39.7128, 29.0833, 89.9067



43.8656, 29.0833, 9.9171



18.3057, 29.0833, 6.3073



16.0124, 29.0833, 72.9836

Rectangle

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



39.7128, 29.0833, 89.9067



48.9685, 29.0833, 33.7601



18.3057, 29.0833, 6.3073



13.6300, 29.0833, 29.6619

Sweetspot

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



39.7140, 29.0844, 89.9074



75.7080, 73.6824, 104.8396



45.3667, 52.2366, 94.0783



15.6813, 15.0688, 22.3320



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.



39.7140, 29.0844, 89.9074



36.9879, 24.0362, 97.2977



55.7932, 37.3735, 90.6599



16.1585, 16.2243, 20.8225



11.3094, 4.8045, 46.8693



1.1032, 0.4786, 4.1245

Inverse Universe

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



55.1650, 37.7493, 59.0224



56.2496, 34.8660, 57.5328



46.9204, 72.2475, 30.2120



16.9392, 16.6585, 19.4264



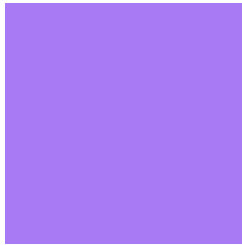
23.5257, 11.7537, 18.0086



2.1171, 1.0528, 1.8432

Previews

White Background



This preview shows how the XYZ color 39.7128, 29.0833, 89.9067 looks on a white background.

Color Contrast Check

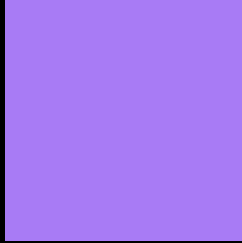
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.7128, 29.0833, 89.9067 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 × Fail

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

XYZ 39.7128, 29.0833, 89.9067

Background



This preview shows how black text looks on a background with the XYZ color 39.7128, 29.0833, 89.9067.



This preview shows how white text looks on a background with the XYZ color 39.7128, 29.0833,

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

39.7128, 29.0833, 89.9067

Protanopia

32.6963, 29.3517, 98.5499

Deuteranopia

30.2817, 29.2826, 86.4942



Tritanopia

28.5517, 28.8308, 35.5126

Trichromacy



Original Color

39.7128, 29.0833, 89.9067



Protanomaly

34.2428, 28.7109, 95.0038



Deuteranomaly

32.5867, 28.4393, 87.7762



Tritanomaly

31.7859, 28.4073, 51.3848

Monochromacy



Original Color

39.7128, 29.0833, 89.9067



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

32.0397, 29.4270, 49.8903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7128, 29.0833, 89.9067 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(168, 123, 245)` looks like.

```
.text, #text, p{  
    color:rgb(168, 123, 245)  
}
```

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(168, 123, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 123, 245) }
```

Border

The CSS property to change the border of an element to XYZ 39.7128, 29.0833, 89.9067 is called "border". The border property can be set on classes, ids or directly on the HTML element.

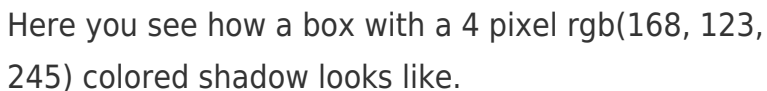
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 123, 245) }
```


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

```
.border{ border-color:rgb(168, 123, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 123, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 123, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 123, 245); box-shadow:4px 4px 4px 4px rgb(168, 123, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7128, 29.0833, 89.9067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 123, 245) }
```

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

```
.background{ background-color: rgb(168,  
123, 245) }
```

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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