

Converting Colors

XYZ(37.8651, 28.8246, 77.6943)

Have a look what the booklet for
XYZ(37.8651, 28.8246, 77.6943)
contains.

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Color

**XYZ(37.8387, 28.7594,
77.6855)**

Conversions

Conversions Part 1

Format	Color
Hex	A97DE5
RGB	169, 125, 229
RGB Percent	66%, 49%, 90%
CMY	0.3372, 0.5098, 0.1020
CMYK	0.26, 0.45, 0.00, 0.10
HSL	265°, 67%, 69%
HSV	265°, 45%, 90%
XYZ	37.8387, 28.7594, 77.6855
YIQ	150.0120, -7.1600, 41.6720

Conversions

Conversions Part 2

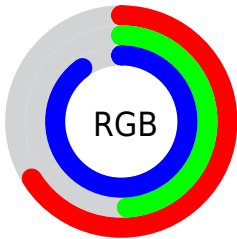
Format	Color
RYB	169, 125, 229
Decimal	11107813
CIELab	60.57, 37.78, -46.70
CIELCh	61, 60.069, 308.976
Yxy	28.7594, 0.2623, 0.1993
Android (android.graphics.Color)	4289297893 (0xFFA97DE5)
YUV	150.0120, 38.9411, 16.6525
Hunter-Lab	53.6278, 32.0974, -48.3484

Details

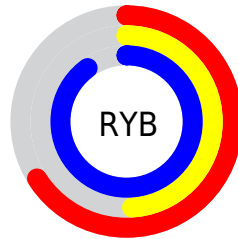
The XYZ color **37.8387, 28.7594, 77.6855** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.7290, 67.8341, 29.7699**, and the grayscale version is **28.8377, 30.3395, 33.0398**.

A 20% lighter version of the original color is **65.3344, 55.2295, 101.8246**, and **16.9983, 11.6267, 40.8834** is the 20% darker color. If you saturate the color by 10%, you get **32.5745, 22.2273, 76.7026**, and if you desaturate by 10%, it is **44.0597, 36.7778, 78.9058**.

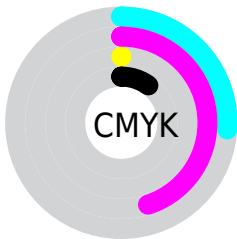
Distribution



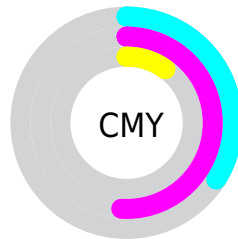
- Red (66%)
- Green (49%)
- Blue (90%)



- Red (66%)
- Yellow (49%)
- Blue (90%)



- Cyan (26%)
- Magenta (45%)
- Yellow (0%)
- Black (10%)



- Cyan (34%)
- Magenta (51%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8387, 28.7594, 77.6855 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 37.8387, 28.7594, 77.6855 by changing the saturation by 10% instead.

37.8387, 28.7594,
77.6855

37.8387, 28.7594,
77.6855

328.2204,
296.0780, 506.5977

26.0342, 18.8989,
57.3007

71.1663, 57.6946,
131.8885

16.9820, 11.5972,
40.8358

93.4201, 77.5381,
166.5439

10.3169, 6.4701,
27.8721

119.8878,
101.4780, 206.7931

5.6734, 3.1330,
17.9910

150.9345,
129.8987, 253.0549

2.6863, 1.2015,
10.7742

186.9258,
163.1847, 305.7477

0.9901, 0.0630,
5.8029

228.2270,

0.0000, 0.0000,

201.7204, 365.2901

2.6588

275.2034,
245.8900, 432.1006

■ 0.0000, 0.0000,
0.9226

■ 0.0000, 0.0000,
0.0000

■ 37.8387, 28.7594,
77.6855

■ 37.8387, 28.7594,
77.6855

■ 32.5745, 22.2273,
76.7026

■ 44.0597, 36.7778,
78.9058

■ 28.2088, 17.0807,
75.9393

■ 51.2845, 46.3676,
80.3761

■ 24.6813, 13.2111,
75.3783


■ 59.5606, 57.6112,
82.1101


■ 21.9215, 10.4912,
74.9988


■ 68.9314, 70.5842,
84.1202

 19.8444, 8.7657,
74.7752

 79.4377, 85.3576,
86.4181

 19.0607, 8.1924,
74.7059

 88.7105, 97.1832,
88.2119

 91.1429, 98.4372,
88.3257

Harmonies

Analogous

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



29.7304, 28.7594, 95.3551



37.8387, 28.7594, 77.6855



43.7677, 28.7594, 49.2889

Triad

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



37.8387, 28.7594, 77.6855



33.0468, 28.7594, 5.9616



15.0839, 28.7594, 38.4679

Complementary

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



37.8387, 28.7594, 77.6855



51.7290, 67.8341, 29.7699

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.



15.6360, 28.7594, 18.3460



37.8387, 28.7594, 77.6855



25.0718, 28.7594, 5.2257

Square

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



37.8387, 28.7594, 77.6855



40.6573, 28.7594, 11.3885



18.9807, 28.7594, 8.4523



17.2961, 28.7594, 66.6297

Rectangle

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



37.8387, 28.7594, 77.6855



45.1384, 28.7594, 32.0843



18.9807, 28.7594, 8.4523



14.9628, 28.7594, 30.5563

Sweetspot

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



37.8398, 28.7605, 77.6862



77.5244, 75.6006, 105.1141



40.0899, 44.9956, 80.7013



16.0691, 15.4619, 22.3875



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.



37.8398, 28.7605, 77.6862



42.2513, 29.1914, 98.0154



51.0934, 35.5930, 78.3064



14.1579, 14.1837, 18.1358



11.0288, 4.7514, 42.7190



0.9192, 0.4048, 3.1617

Inverse Universe

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



48.4043, 34.8289, 50.0707



57.6847, 38.0719, 56.9760



41.5002, 62.5609, 29.2912



14.7238, 14.5067, 16.7460



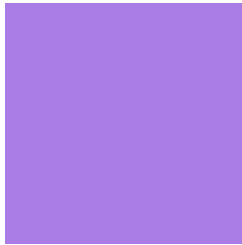
20.9222, 10.5031, 13.7510



1.5923, 0.7946, 1.2594

Previews

White Background



This preview shows how the XYZ color 37.8387, 28.7594, 77.6855 looks on a white background.

Color Contrast Check

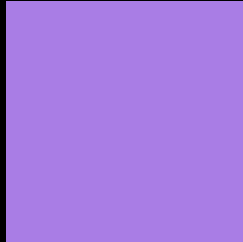
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8387, 28.7594, 77.6855 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 37.8387, 28.7594, 77.6855

Background



This preview shows how black text looks on a background with the XYZ color 37.8387, 28.7594, 77.6855.



This preview shows how white text looks on a background with the XYZ color 37.8387, 28.7594,

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

37.8387, 28.7594, 77.6855

Protanopia

31.8974, 29.1211, 90.3260

Deuteranopia

29.9329, 29.1198, 75.2772



Tritanopia

28.9403, 28.6145, 34.1348

Trichromacy



Original Color

37.8387, 28.7594, 77.6855

Protanomaly

33.1365, 28.3523, 85.3874

Deuteranomaly

32.0219, 28.4138, 75.7482

Tritanomaly

31.6419, 28.4181, 47.5336

Monochromacy



Original Color

37.8387, 28.7594, 77.6855

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.5662, 29.4725, 46.6729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8387, 28.7594, 77.6855 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(169, 125, 229)` looks like.

```
.text, #text, p{  
    color:rgb(169, 125, 229)  
}
```

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(169, 125, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 125, 229) }
```

Border

The CSS property to change the border of an element to XYZ 37.8387, 28.7594, 77.6855 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(169, 125, 229) }
```


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

```
.border{ border-color:rgb(169, 125, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 125, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 125, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 125, 229);  
box-shadow:4px 4px 4px 4px rgb(169, 125,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8387, 28.7594, 77.6855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 125, 229) }
```

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

```
.background{ background-color: rgb(169,  
125, 229) }
```

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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