

Converting Colors

XYZ(37.4811, 28.8455, 67.2911)

Have a look what the booklet for
XYZ(37.4811, 28.8455, 67.2911)
contains.

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Color

**XYZ(37.3757, 28.7524,
67.1982)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | B07DD6 |
| RGB | 176, 125, 214 |
| RGB Percent | 69%, 49%, 84% |
| CMY | 0.3098, 0.5098, 0.1608 |
| CMYK | 0.18, 0.42, 0.00, 0.16 |
| HSL | 274°, 52%, 66% |
| HSV | 274°, 42%, 84% |
| XYZ | 37.3757, 28.7524, 67.1982 |
| YIQ | 150.3950, 1.8270, 38.4910 |

Conversions

Conversions Part 2

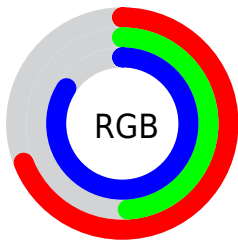
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 176, 125, 214 |
| Decimal | 11566550 |
| CIE Lab | 60.56, 36.30, -38.28 |
| CIE LCh | 61, 52.754, 313.485 |
| Yxy | 28.7524, 0.2803, 0.2157 |
| Android (android.graphics.Color) | 4289756630 (0xFFB07DD6) |
| YUV | 150.3950, 31.3573, 22.4556 |
| Hunter-Lab | 53.6213, 30.5829, -36.7674 |

Details

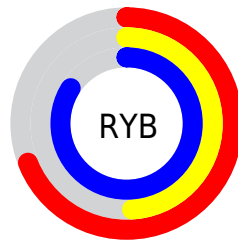
The XYZ color **37.3757, 28.7524, 67.1982** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **42.8534, 57.3610, 28.2164**, and the grayscale version is **29.0284, 30.5402, 33.2583**.

A 20% lighter version of the original color is **67.5747, 56.3844, 101.9295**, and **16.8001, 11.6729, 34.1685** is the 20% darker color. If you saturate the color by 10%, you get **32.9560, 22.8769, 66.2975**, and if you desaturate by 10%, it is **42.5201, 35.8691, 68.3012**.

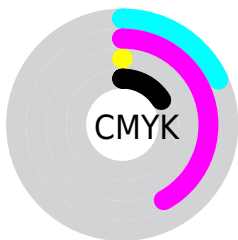
Distribution



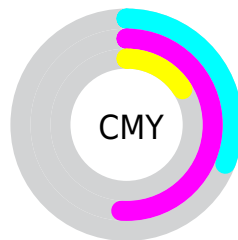
- Red (69%)
- Green (49%)
- Blue (84%)



- Red (69%)
- Yellow (49%)
- Blue (84%)



- Cyan (18%)
- Magenta (42%)
- Yellow (0%)
- Black (16%)



- Cyan (31%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3757, 28.7524, 67.1982 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 37.3757, 28.7524, 67.1982 by changing the saturation by 10% instead.

37.3757, 28.7524,
67.1982

37.3757, 28.7524,
67.1982

326.2616,
296.0449, 469.1706

25.6735, 18.8936,
48.7831

70.4603, 57.6835,
116.8477

16.7110, 11.5934,
34.0831

92.5735, 77.5245,
148.9192

10.1226, 6.4675,
22.6795

118.8877,
101.4618, 186.3799

5.5432, 3.1314,
14.1540

149.7682,
129.8796, 229.6484

2.6074, 1.2007,
8.0879

185.5806,
163.1625, 279.1432

0.9497, 0.0623,
4.0627

226.6900,

0.0000, 0.0000,

201.6947, 335.2828

1.6598

273.4619,
245.8607, 398.4857

■ 0.0000, 0.0000,
0.3329

■ 0.0000, 0.0000,
0.0000

■ 37.3757, 28.7524,
67.1982

■ 37.3757, 28.7524,
67.1982

■ 32.9560, 22.8769,
66.2975

■ 42.5201, 35.8691,
68.3012

■ 29.2174, 18.1619,
65.5845


■ 48.4232, 44.2939,
69.6162


■ 26.1158, 14.5227,
65.0455

■ 55.1205, 54.0927,
71.1546


■ 23.5999, 11.8608,
64.6643


■ 62.6440, 65.3260,
72.9263


 21.6086, 10.0587,
64.4214


 71.0240, 78.0509,
74.9408

 20.2532, 9.0388,
64.2960

 80.2891, 92.3208,
77.2068

 83.8199, 94.8936,
77.5173

 86.9998, 96.5330,
77.6662

 89.1377, 97.6351,
77.7662

Harmonies

Analogous

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



30.4998, 28.7524, 83.8265



37.3757, 28.7524, 67.1982



41.9173, 28.7524, 43.2336

Triad

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



37.3757, 28.7524, 67.1982



31.2255, 28.7524, 7.3481



16.4624, 28.7524, 40.9003

Complementary

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



37.3757, 28.7524, 67.1982



42.8534, 57.3610, 28.2164

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.



16.5907, 28.7524, 21.8034



37.3757, 28.7524, 67.1982



24.3846, 28.7524, 7.1544

Square

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



37.3757, 28.7524, 67.1982



37.9825, 28.7524, 11.9294



19.2652, 28.7524, 11.2071



18.8797, 28.7524, 64.8906

Rectangle

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



37.3757, 28.7524, 67.1982



42.6079, 28.7524, 29.0796



19.2652, 28.7524, 11.2071



16.2232, 28.7524, 33.6442

Sweetspot

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



37.3767, 28.7536, 67.1988



81.4089, 79.6123, 105.6837



33.7941, 35.6122, 68.7115



17.1306, 16.6063, 22.5524



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.



37.3767, 28.7536, 67.1988



49.6739, 34.8851, 98.7231



46.4593, 33.5218, 63.7398



12.4171, 12.3564, 15.6681



12.3629, 5.5258, 38.8681



0.8395, 0.3817, 2.3487

Inverse Universe

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



41.6769, 31.6088, 38.5559



57.3312, 39.9431, 48.9105



36.5972, 54.0907, 29.9620



12.6411, 12.5079, 14.0504



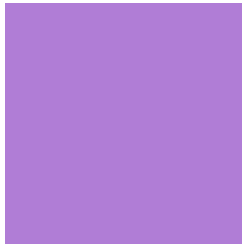
17.9628, 9.1214, 7.1080



1.1244, 0.5665, 0.6444

Previews

White Background



This preview shows how the XYZ color 37.3757, 28.7524, 67.1982 looks on a white background.

Color Contrast Check

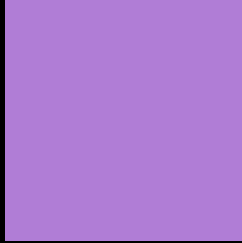
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3757, 28.7524, 67.1982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

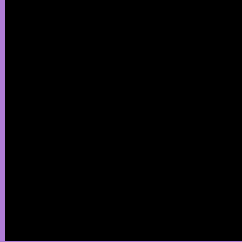
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3757, 28.7524, 67.1982

Background



This preview shows how black text looks on a background with the XYZ color 37.3757, 28.7524, 67.1982.



This preview shows how white text looks on a background with the XYZ color 37.3757, 28.7524,

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

37.3757, 28.7524, 67.1982

Protanopia

31.0448, 28.9355, 78.8118

Deuteranopia

29.7843, 29.0415, 65.0085



Tritanopia

30.4635, 28.7742, 32.8025

Trichromacy



Original Color

37.3757, 28.7524, 67.1982

Protanomaly

32.5752, 28.3085, 74.2682

Deuteranomaly

32.0017, 28.6309, 65.4677

Tritanomaly

32.6455, 28.6134, 43.3375

Monochromacy



Original Color

37.3757, 28.7524, 67.1982

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

31.3658, 29.4378, 43.5641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3757, 28.7524, 67.1982 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(176, 125, 214)` looks like.

```
.text, #text, p{  
    color:rgb(176, 125, 214)  
}
```

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(176, 125, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 125, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.3757, 28.7524, 67.1982 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(176, 125, 214) }
```


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

```
.border{ border-color:rgb(176, 125, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 125, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 125, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 125, 214);  
box-shadow:4px 4px 4px 4px rgb(176, 125,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3757, 28.7524, 67.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 125, 214) }
```

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

```
.background{ background-color: rgb(176,  
125, 214) }
```

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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