

# Converting Colors

XYZ(37.6250, 28.6004, 79.8813)

Have a look what the booklet for  
XYZ(37.6250, 28.6004, 79.8813)  
contains.

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# Color

**XYZ(37.6250, 28.6004,  
79.8813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A67DE8
RGB	166, 125, 232
RGB Percent	65%, 49%, 91%
CMY	0.3490, 0.5098, 0.0902
CMYK	0.28, 0.46, 0.00, 0.09
HSL	263°, 70%, 70%
HSV	263°, 46%, 91%
XYZ	37.6250, 28.6004, 79.8813
YIQ	149.4570, -9.9110, 41.9690

# Conversions

## Conversions Part 2

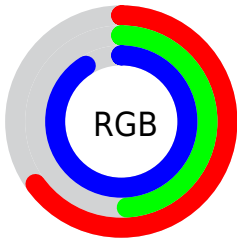
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 125, 232
Decimal	10911208
CIELab	60.43, 37.70, -48.61
CIELCh	60, 61.515, 307.795
Yxy	28.6004, 0.2575, 0.1958
Android (android.graphics.Color)	4289101288 (0xFFA67DE8)
YUV	149.4570, 40.6937, 14.5082
Hunter-Lab	53.4793, 31.9935, -51.1251

# Details

The XYZ color **37.6250, 28.6004, 79.8813** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.0446, 70.2707, 30.1181**, and the grayscale version is **28.5972, 30.0865, 32.7642**.

A 20% lighter version of the original color is **64.4018, 54.7488, 101.7810**, and **16.9081, 11.5463, 42.4118** is the 20% darker color. If you saturate the color by 10%, you get **32.1891, 21.9361, 78.8820**, and if you desaturate by 10%, it is **44.0827, 36.8107, 81.1262**.

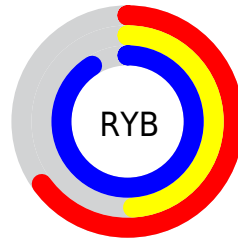
# Distribution



Red (65%)

Green (49%)

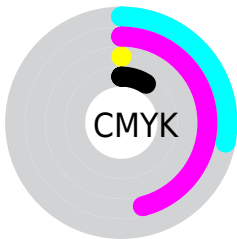
Blue (91%)



Red (65%)

Yellow (49%)

Blue (91%)

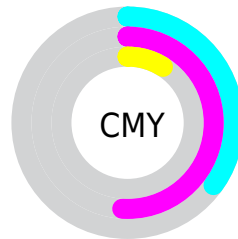


Cyan (28%)

Magenta (46%)

Yellow (0%)

Black (9%)



Cyan (35%)

Magenta (51%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6250, 28.6004, 79.8813 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 37.6250, 28.6004, 79.8813 by changing the saturation by 10% instead.



37.6250, 28.6004,  
79.8813

37.6250, 28.6004,  
79.8813

327.3173,  
295.3248, 514.2289

25.8677, 18.7787,  
59.0951

70.8406, 57.4416,  
135.0087

16.8568, 11.5105,  
42.2692

93.0296, 77.2299,  
170.1870

10.2271, 6.4113,  
28.9850

119.4265,  
101.1092, 210.9997

5.6132, 3.0968,  
18.8240

150.3967,  
129.4640, 257.8655

2.6498, 1.1825,  
11.3676

186.3055,  
162.6785, 311.2027

0.9714, 0.0473,  
6.1974

227.5183,

0.0000, 0.0000,

201.1372, 371.4300

2.8948

274.4005,  
245.2245, 438.9659

■ 0.0000, 0.0000,  
1.0412

■ 0.0000, 0.0000,  
0.0000

■ 37.6250, 28.6004,  
79.8813

■ 37.6250, 28.6004,  
79.8813

■ 32.1891, 21.9361,  
78.8820

■ 44.0827, 36.8107,  
81.1262

■ 27.7124, 16.7118,  
78.1095

■ 51.6132, 46.6565,  
82.6297

■ 24.1298, 12.8134,  
77.5459

■ 60.2675, 58.2243,  
84.4064

■ 21.3651, 10.1064,  
77.1691

■ 70.0924, 71.5936,  
86.4691

■ 19.3260, 8.4254,  
76.9521

■ 81.1319, 86.8386,  
88.8299

■ 18.6758, 7.9451,  
76.8937

■ 90.4211, 98.0162,  
90.4978

■ 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.



29.3019, 28.6004, 97.4177



37.6250, 28.6004, 79.8813



43.8608, 28.6004, 50.7025

# Triad

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



37.6250, 28.6004, 79.8813



33.3548, 28.6004, 5.7002



14.7153, 28.6004, 37.4383

# Complementary

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



37.6250, 28.6004, 79.8813



54.0446, 70.2707, 30.1181

# 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.



15.3819, 28.6004, 17.3954



37.6250, 28.6004, 79.8813



25.1704, 28.6004, 4.8352

# Square

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



37.6250, 28.6004, 79.8813



41.0805, 28.6004, 11.3308



18.8786, 28.6004, 7.8277



16.8385, 28.6004, 66.2442



# Rectangle

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



37.6250, 28.6004, 79.8813



45.4170, 28.6004, 32.8496



18.8786, 28.6004, 7.8277



14.6295, 28.6004, 29.4927

# Sweetspot

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



37.6261, 28.6015, 79.8820



77.0576, 75.3600, 105.0923



42.0422, 48.2239, 83.4367



15.9559, 15.4036, 22.3822



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.



37.6261, 28.6015, 79.8820



40.4057, 27.8035, 97.8447



50.7336, 35.3587, 80.4954



14.1023, 14.1550, 18.1332



10.4980, 4.4778, 42.6942



0.8768, 0.3830, 3.1597



# Inverse Universe

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



50.0169, 35.5854, 53.5228



57.9152, 37.6937, 59.6406



43.2511, 64.7065, 29.6130



14.7488, 14.5167, 16.8775



21.2950, 10.6522, 15.7143

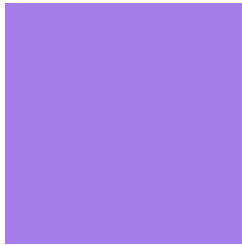


1.6186, 0.8052, 1.3983



# Previews

## White Background



This preview shows how the XYZ color 37.6250, 28.6004, 79.8813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

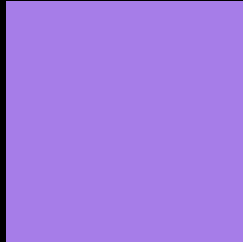
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6250, 28.6004, 79.8813 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

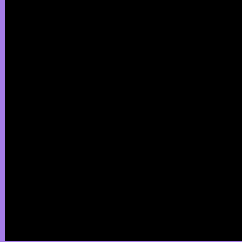
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.6250, 28.6004, 79.8813**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6250, 28.6004, 79.8813.



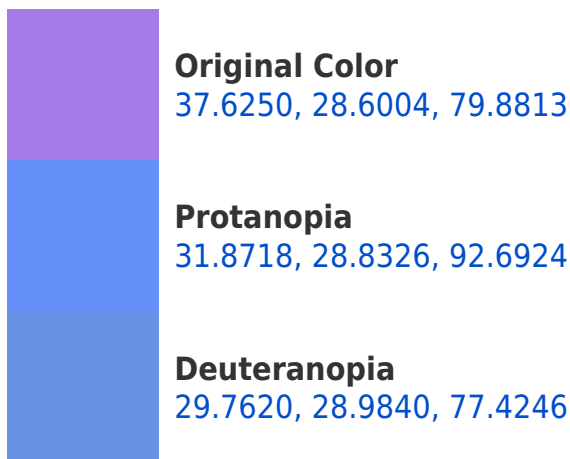
This preview shows how white text looks on a background with the XYZ color 37.6250, 28.6004,



# 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





## Tritanopia

28.4177, 28.5573, 34.5862

# Trichromacy



## Original Color

37.6250, 28.6004, 79.8813

## Protanomaly

33.1434, 28.3042, 87.7208

## Deuteranomaly

31.6888, 28.1941, 77.9006

## Tritanomaly

30.9580, 28.0536, 48.0392

# Monochromacy



## Original Color

37.6250, 28.6004, 79.8813

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

31.0323, 28.9794, 46.6058

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6250, 28.6004, 79.8813 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(166, 125, 232)` looks like.

```
.text, #text, p{  
    color:rgb(166, 125, 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(166, 125, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 125, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6250, 28.6004, 79.8813 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(166, 125, 232) }
```



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

```
.border{ border-color:rgb(166, 125, 232) }
```

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

Here you see how a box with a 4 pixel rgb(166, 125, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 125, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 125, 232);  
box-shadow:4px 4px 4px 4px rgb(166, 125,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6250, 28.6004, 79.8813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 125, 232) }
```

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

```
.background{ background-color: rgb(166,  
125, 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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