

# Converting Colors

XYZ(37.2082, 27.9554, 71.1867)

Have a look what the booklet for  
XYZ(37.2082, 27.9554, 71.1867)  
contains.

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# Color

**XYZ(37.3334, 28.0850,  
71.1634)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE7ADC
RGB	174, 122, 220
RGB Percent	68%, 48%, 86%
CMY	0.3176, 0.5216, 0.1373
CMYK	0.21, 0.45, 0.00, 0.14
HSL	272°, 58%, 67%
HSV	272°, 45%, 86%
XYZ	37.3334, 28.0850, 71.1634
YIQ	148.7200, -0.4660, 41.5020

# Conversions

## Conversions Part 2

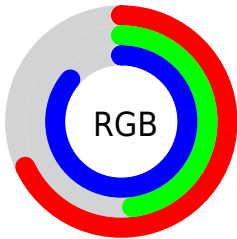
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 122, 220
Decimal	11434716
CIELab	59.97, 38.74, -42.59
CIELCh	60, 57.573, 312.289
Yxy	28.0850, 0.2733, 0.2056
Android (android.graphics.Color)	4289624796 (0xFFAE7ADC)
YUV	148.7200, 35.1410, 22.1706
Hunter-Lab	52.9953, 33.0055, -42.5194

# Details

The XYZ color **37.3334, 28.0850, 71.1634** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **45.2550, 60.9169, 27.7863**, and the grayscale version is **28.3077, 29.7820, 32.4326**.

A 20% lighter version of the original color is **66.3350, 54.8689, 101.7023**, and **16.6260, 11.2370, 36.4146** is the 20% darker color. If you saturate the color by 10%, you get **32.7190, 22.1404, 70.2597**, and if you desaturate by 10%, it is **42.7382, 35.3458, 72.2805**.

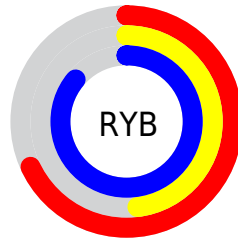
# Distribution



Red (68%)

Green (48%)

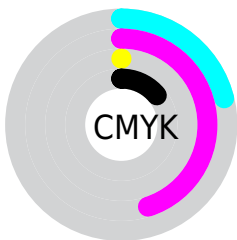
Blue (86%)



Red (68%)

Yellow (48%)

Blue (86%)

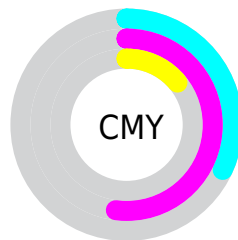


Cyan (21%)

Magenta (45%)

Yellow (0%)

Black (14%)



Cyan (32%)

Magenta (52%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3334, 28.0850, 71.1634 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 37.3334, 28.0850, 71.1634 by changing the saturation by 10% instead.



37.3334, 28.0850,  
71.1634

37.3334, 28.0850,  
71.1634

326.0822,  
292.8729, 483.5235

25.6406, 18.3897,  
51.9929

70.3958, 56.6201,  
122.5630

16.6862, 11.2302,  
36.6172

92.4960, 76.2288,  
155.6292

10.1049, 6.2219,  
24.6178

118.7962, 99.9107,  
194.1643

5.5314, 2.9805,  
15.5761

149.6615,  
128.0502, 238.5869

2.6002, 1.1215,  
9.0736

185.4574,  
161.0318, 289.3157

0.9461, 0.0000,  
4.6918

226.5493,

0.0000, 0.0000,

199.2399, 346.7689

2.0120

273.3024,  
243.0588, 411.3654

■ 0.0000, 0.0000,  
0.5626

■ 0.0000, 0.0000,  
0.0000

■ 37.3334, 28.0850,  
71.1634

■ 37.3334, 28.0850,  
71.1634

■ 32.7190, 22.1404,  
70.2597

■ 42.7382, 35.3458,  
72.2805

■ 28.8460, 17.4229,  
69.5532

■ 48.9719, 43.9972,  
73.6218


■ 25.6645, 13.8377,  
69.0289


■ 56.0741, 54.1117,  
75.1998


■ 23.1156, 11.2735,  
68.6683


■ 64.0806, 65.7559,  
77.0254


 21.1286, 9.5951,  
68.4490

 73.0254, 78.9921,  
79.1088

 20.2192, 8.9311,  
68.3688

 82.9403, 93.8792,  
81.4597

 86.7852, 96.3321,  
81.7305

 89.9184, 97.9473,  
81.8771

# Harmonies

## Analogous

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



29.8044, 28.0850, 89.3274



37.3334, 28.0850, 71.1634



42.4792, 28.0850, 44.5615

# Triad

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



37.3334, 28.0850, 71.1634



31.2108, 28.0850, 6.0056



15.1642, 28.0850, 39.9906

# Complementary

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



37.3334, 28.0850, 71.1634



45.2550, 60.9169, 27.7863

# 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.



15.4019, 28.0850, 19.8792



37.3334, 28.0850, 71.1634



23.8078, 28.0850, 5.6782

# Square

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



37.3334, 28.0850, 71.1634



38.5239, 28.0850, 10.6801



18.2963, 28.0850, 9.3973



17.5737, 28.0850, 66.5302



# Rectangle

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



37.3334, 28.0850, 71.1634



43.3799, 28.0850, 28.9975



18.2963, 28.0850, 9.3973



14.9516, 28.0850, 32.2186

# Sweetspot

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



37.3344, 28.0861, 71.1640



79.8769, 77.8103, 105.4167



35.2014, 37.8184, 73.1550



16.5926, 15.9279, 22.4498



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.



37.3344, 28.0861, 71.1640



46.3764, 31.7665, 98.2950



49.1783, 34.2168, 70.5945



12.9950, 12.9556, 16.4679



11.9962, 5.3085, 40.1308



0.8764, 0.3950, 2.6045



# Inverse Universe

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



43.5433, 31.9627, 40.9206



56.5155, 38.0877, 49.3291



37.2350, 56.7706, 27.9437



13.3091, 13.1528, 14.8892



18.8220, 9.5299, 8.7089



1.2627, 0.6347, 0.7922



# Previews

## White Background



This preview shows how the XYZ color 37.3334, 28.0850, 71.1634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

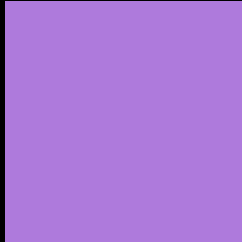
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3334, 28.0850, 71.1634 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 37.3334, 28.0850, 71.1634**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3334, 28.0850, 71.1634.



This preview shows how white text looks on a background with the XYZ color 37.3334, 28.0850,



# 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

37.3334, 28.0850, 71.1634

### Protanopia

30.9029, 28.5246, 83.9978

### Deuteranopia

29.1780, 28.4151, 68.9126



## Tritanopia

29.4136, 28.0283, 32.2935

# Trichromacy



**Original Color**

37.3334, 28.0850, 71.1634

**Protanomaly**

32.4478, 27.9228, 79.2808

**Deuteranomaly**

31.3202, 27.7690, 69.3548

**Tritanomaly**

31.7150, 27.7047, 44.2334

# Monochromacy



**Original Color**

37.3334, 28.0850, 71.1634

**Achromatopsia**

28.5667, 30.0544, 32.7292

**Achromatomaly**

31.0710, 28.8295, 44.4845

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3334, 28.0850, 71.1634 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(174, 122, 220)` looks like.

```
.text, #text, p{  
    color:rgb(174, 122, 220)  
}
```

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(174, 122, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 122, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3334, 28.0850, 71.1634 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(174, 122, 220) }
```



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

```
.border{ border-color:rgb(174, 122, 220) }
```

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

Here you see how a box with a 4 pixel rgb(174, 122, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 122, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 122, 220);  
box-shadow:4px 4px 4px 4px rgb(174, 122,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3334, 28.0850, 71.1634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 122, 220) }
```

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

```
.background{ background-color: rgb(174,  
122, 220) }
```

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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