

# Converting Colors

XYZ(37.3312, 31.0838, 41.0780)

Have a look what the booklet for  
XYZ(37.3312, 31.0838, 41.0780)  
contains.

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# Color

**XYZ(37.3312, 31.0838,  
41.0780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C086A8
RGB	192, 134, 168
RGB Percent	75%, 53%, 66%
CMY	0.2471, 0.4745, 0.3412
CMYK	0.00, 0.30, 0.12, 0.25
HSL	325°, 32%, 64%
HSV	325°, 30%, 75%
XYZ	37.3312, 31.0838, 41.0780
YIQ	155.2180, 23.6540, 22.8700

# Conversions

## Conversions Part 2

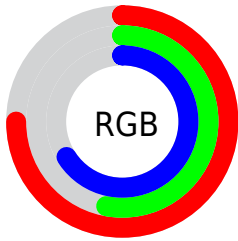
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 134, 168
Decimal	12617384
CIE <sub>Lab</sub>	62.58, 27.47, -9.04
CIE <sub>LCh</sub>	63, 28.917, 341.793
Yxy	31.0838, 0.3409, 0.2839
Android (android.graphics.Color)	4290807464 (0xFFC086A8)
YUV	155.2180, 6.3015, 32.2578
Hunter-Lab	55.7528, 21.9532, -4.6571

# Details

The XYZ color **37.3312, 31.0838, 41.0780** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.8540, 45.2371, 39.2444**, and the grayscale version is **31.2186, 32.8444, 35.7676**.

A 20% lighter version of the original color is **70.3694, 61.4339, 77.9611**, and **16.7269, 12.8507, 18.1218** is the 20% darker color. If you saturate the color by 10%, you get **34.1969, 25.9635, 36.4923**, and if you desaturate by 10%, it is **40.9943, 37.1885, 46.0639**.

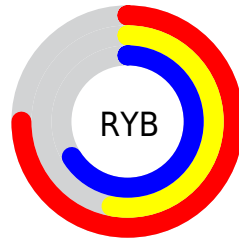
# Distribution



Red (75%)

Green (53%)

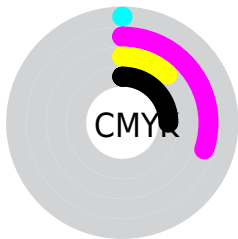
Blue (66%)



Red (75%)

Yellow (53%)

Blue (66%)

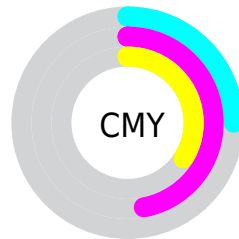


Cyan (0%)

Magenta (30%)

Yellow (12%)

Black (25%)



Cyan (25%)

Magenta (47%)

Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3312, 31.0838, 41.0780 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 37.3312, 31.0838, 41.0780 by changing the saturation by 10% instead.





 37.3312, 31.0838,  
41.0780


 37.3312, 31.0838,  
41.0780


326.0729,  
306.9242, 366.3328


 25.6389, 20.6627,  
28.0599


 70.3924, 61.3720,  
78.0572

 16.6849, 12.8776,  
18.1314


 92.4920, 82.0078,  
102.8554

 10.1040, 7.3443,  
10.8739


 118.7914,  
106.8174, 132.4174

 5.5308, 3.6784,  
5.8690

149.6560,  
136.1850, 167.1617

 2.5998, 1.4953,  
2.6981

185.4510,  
170.4951, 207.5068

 0.9459, 0.2854,  
0.9425

226.5420,

 0.0000, 0.0000,

210.1320, 253.8714

0.0000

273.2942,  
255.4803, 306.6739

■ 37.3312, 31.0838,  
41.0780

■ 37.3312, 31.0838,  
41.0780

■ 34.1969, 25.9635,  
36.4923

■ 40.9943, 37.1885,  
46.0639

■ 31.5618, 21.7709,  
32.2918

■ 45.2085, 44.3221,  
51.4601

■ 29.3975, 18.4500,  
28.4634


■ 49.9978, 52.5311,  
57.2788


■ 27.6712, 15.9369,  
24.9921


■ 55.3841, 61.8582,  
63.5310


■ 26.3460, 14.1588,  
21.8611


■ 61.3883, 72.3436,  
70.2272


 25.3782, 13.0298,  
19.0515

 68.0299, 84.0257,  
77.3773

 24.6936, 12.3886,  
16.5792

 70.9012, 88.0877,  
83.5156

 72.0020, 88.5280,  
89.3121

 73.1537, 88.9887,  
95.3771

# Harmonies

## Analogous

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



34.8796, 31.0838, 52.7100



37.3312, 31.0838, 41.0780



37.5879, 31.0838, 29.6063

# Triad

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



37.3312, 31.0838, 41.0780



28.0245, 31.0838, 16.7545



24.2540, 31.0838, 50.4396

# Complementary

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



37.3312, 31.0838, 41.0780



34.8540, 45.2371, 39.2444

# 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.



22.7386, 31.0838, 38.4701



37.3312, 31.0838, 41.0780



24.7827, 31.0838, 20.1223

# Square

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



37.3312, 31.0838, 41.0780



31.9722, 31.0838, 17.1503



22.9232, 31.0838, 27.5151



27.2424, 31.0838, 58.8877



# Rectangle

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



37.3312, 31.0838, 41.0780



36.4540, 31.0838, 23.6631



22.9232, 31.0838, 27.5151



23.5679, 31.0838, 46.5947

# Sweetspot

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



37.3321, 31.0852, 41.0786



82.7860, 81.7943, 94.3251



31.9845, 28.0458, 53.5972



17.5026, 17.1082, 19.9152



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.3321, 31.0852, 41.0786



63.9168, 50.2124, 69.0554



34.9833, 30.1457, 28.7102



10.3153, 10.1747, 11.7507



16.6555, 8.3520, 11.3640



0.7533, 0.3743, 0.6682



# Inverse Universe

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



37.3321, 31.0852, 41.0786



63.9168, 50.2124, 69.0554



37.5664, 46.3220, 53.5277



10.3153, 10.1747, 11.7507



16.6555, 8.3520, 11.3640



0.7533, 0.3743, 0.6682



# Previews

## White Background



This preview shows how the XYZ color 37.3312, 31.0838, 41.0780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

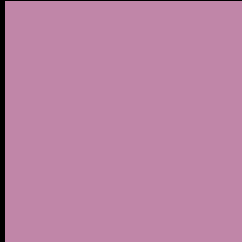
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3312, 31.0838, 41.0780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

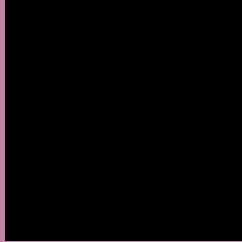
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.3312, 31.0838, 41.0780**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3312, 31.0838, 41.0780.



This preview shows how white text looks on a background with the XYZ color 37.3312, 31.0838,



# 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

37.3312, 31.0838, 41.0780

### Protanopia

30.8971, 31.1784, 47.0374

### Deuteranopia

31.8139, 31.0942, 40.4014



## Tritanopia

35.6690, 31.2622, 32.1712

# Trichromacy



## Original Color

37.3312, 31.0838, 41.0780

## Protanomaly

32.8154, 30.8282, 44.7783

## Deuteranomaly

33.6613, 30.9067, 40.7507

## Tritanomaly

36.3479, 31.3342, 35.1427

# Monochromacy



## Original Color

37.3312, 31.0838, 41.0780

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

32.9273, 31.7303, 37.6468

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3312, 31.0838, 41.0780 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(192, 134, 168)` looks like.

```
.text, #text, p{  
    color:rgb(192, 134, 168)  
}
```

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(192, 134, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 134, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3312, 31.0838, 41.0780 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(192, 134, 168) }
```



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

```
.border{ border-color:rgb(192, 134, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 134, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 134, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 134, 168);  
box-shadow:4px 4px 4px 4px rgb(192, 134,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3312, 31.0838, 41.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 134, 168) }
```

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

```
.background{ background-color: rgb(192,  
134, 168) }
```

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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