

Converting Colors

XYZ(37.0796, 31.2825, 40.3711)

Have a look what the booklet for
XYZ(37.0796, 31.2825, 40.3711)
contains.

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Color

**XYZ(37.1730, 31.4379,
40.1853)**

Conversions

Conversions Part 1

Format	Color
Hex	BF88A6
RGB	191, 136, 166
RGB Percent	75%, 53%, 65%
CMY	0.2510, 0.4666, 0.3490
CMYK	0.00, 0.29, 0.13, 0.25
HSL	327°, 30%, 64%
HSV	327°, 29%, 75%
XYZ	37.1730, 31.4379, 40.1853
YIQ	155.8650, 23.1500, 20.9900

Conversions

Conversions Part 2

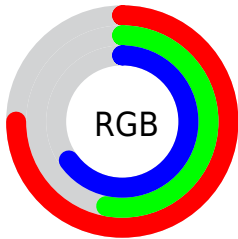
Format	Color
R_{YB}	191, 136, 166
Decimal	12552358
CIE _{Lab}	62.88, 25.67, -7.47
CIE _{LCh}	63, 26.734, 343.779
Yxy	31.4379, 0.3417, 0.2890
Android (android.graphics.Color)	4290742438 (0xFFBF88A6)
YUV	155.8650, 4.9966, 30.8134
Hunter-Lab	56.0695, 20.2204, -3.2448

Details

The XYZ color **37.1730, 31.4379, 40.1853** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.2185, 45.0700, 40.5635**, and the grayscale version is **31.5118, 33.1528, 36.1034**.

A 20% lighter version of the original color is **70.1760, 62.0038, 76.6759**, and **16.6023, 13.0303, 17.5596** is the 20% darker color. If you saturate the color by 10%, you get **33.9493, 26.2221, 35.3131**, and if you desaturate by 10%, it is **40.9317, 37.6368, 45.5019**.

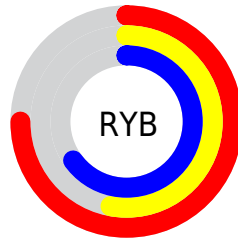
Distribution



Red (75%)

Green (53%)

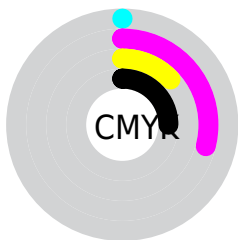
Blue (65%)



Red (75%)

Yellow (53%)

Blue (65%)

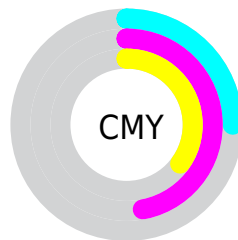


Cyan (0%)

Magenta (29%)

Yellow (13%)

Black (25%)



Cyan (25%)


Magenta (47%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1730, 31.4379, 40.1853 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 37.1730, 31.4379, 40.1853 by changing the saturation by 10% instead.


 37.1730, 31.4379,
40.1853


 37.1730, 31.4379,
40.1853

325.4014,
308.5507, 362.4793

 25.5158, 20.9325,
27.3682

 70.1509, 61.9288,
76.6858

 16.5925, 13.0747,
17.6150


 92.2022, 82.6832,
101.2062

 10.0379, 7.4800,
10.5074


 118.4490,
107.6227, 130.4648

 5.4865, 3.7641,
5.6267

149.2565,
137.1317, 164.8801

 2.5731, 1.5425,
2.5543

184.9902,
171.5946, 204.8706

 0.9323, 0.3183,
0.8687

226.0153,

 0.0000, 0.0000,

211.3958, 250.8550

0.0000

272.6973,
256.9197, 303.2517

■ 37.1730, 31.4379,
40.1853

■ 37.1730, 31.4379,
40.1853

■ 33.9493, 26.2221,
35.3131

■ 40.9317, 37.6368,
45.5019

■ 31.2313, 21.9336,
30.8692

■ 45.2471, 44.8620,
51.2741

■ 28.9910, 18.5180,
26.8393

■ 50.1433, 53.1593,
57.5151

■ 27.1964, 15.9130,
23.2073

■ 55.6419, 62.5706,
64.2371

■ 25.8114, 14.0481,
19.9553

■ 61.7634, 73.1354,
71.4514

■ 24.7937, 12.8406,
17.0633

■ 68.5275, 84.8914,
79.1692

■ 24.0724, 12.1510,
14.5016

■ 71.0806, 88.1303,
85.7770

■ 23.9937, 12.0795,
14.2107

■ 72.3081, 88.6213,
92.2411

■ 73.5969, 89.1368,
99.0280

Harmonies

Analogous

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



35.0279, 31.4379, 50.9731



37.1730, 31.4379, 40.1853



37.2630, 31.4379, 29.6440

Triad

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



37.1730, 31.4379, 40.1853



28.2332, 31.4379, 18.1290



25.0748, 31.4379, 50.1837

Complementary

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



37.1730, 31.4379, 40.1853



35.2185, 45.0700, 40.5635

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.



23.5442, 31.4379, 39.2673



37.1730, 31.4379, 40.1853



25.2643, 31.4379, 21.6257

Square

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



37.1730, 31.4379, 40.1853



31.8935, 31.4379, 18.2752



23.6106, 31.4379, 28.8951



27.9546, 31.4379, 57.5036

Rectangle

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



37.1730, 31.4379, 40.1853



36.1311, 31.4379, 24.1886



23.6106, 31.4379, 28.8951



24.3964, 31.4379, 46.7260

Sweetspot

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



37.1739, 31.4393, 40.1860



80.7502, 79.8640, 91.4567



32.8571, 28.9227, 53.1416



17.4689, 17.0948, 19.7380



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.



37.1739, 31.4393, 40.1860



62.5720, 49.8038, 65.9872



34.9332, 30.5430, 28.3864



9.7419, 9.6211, 11.0301



15.8093, 7.9549, 9.5553



0.6519, 0.3246, 0.5460

Inverse Universe

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



37.1739, 31.4393, 40.1860



62.5720, 49.8038, 65.9872



37.8893, 46.1383, 54.6276



9.7419, 9.6211, 11.0301



15.8093, 7.9549, 9.5553



0.6519, 0.3246, 0.5460

Previews

White Background



This preview shows how the XYZ color 37.1730, 31.4379, 40.1853 looks on a white background.

Color Contrast Check

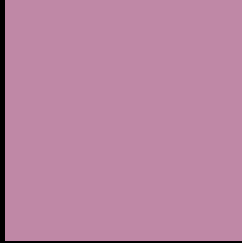
Large Text (above 18pt) WCAG AA × Fail

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 37.1730, 31.4379, 40.1853 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 37.1730, 31.4379, 40.1853

Background



This preview shows how black text looks on a background with the XYZ color 37.1730, 31.4379, 40.1853.



This preview shows how white text looks on a background with the XYZ color 37.1730, 31.4379,

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

37.1730, 31.4379, 40.1853

Protanopia

31.1158, 31.5637, 45.5267

Deuteranopia

32.1910, 31.5415, 39.5134



Tritanopia

35.7239, 31.4861, 33.0487

Trichromacy



Original Color

37.1730, 31.4379, 40.1853

Protanomaly

33.0351, 31.4288, 43.3550

Deuteranomaly

33.9984, 31.5474, 39.8947

Tritanomaly

36.3244, 31.5244, 35.6228

Monochromacy



Original Color

37.1730, 31.4379, 40.1853

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.4548, 32.4680, 37.7614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1730, 31.4379, 40.1853 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(191, 136, 166)` looks like.

```
.text, #text, p{  
    color:rgb(191, 136, 166)  
}
```

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(191, 136, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 136, 166) }
```

Border

The CSS property to change the border of an element to XYZ 37.1730, 31.4379, 40.1853 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(191, 136, 166) }
```


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

```
.border{ border-color:rgb(191, 136, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 136, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 136, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 136, 166);  
box-shadow:4px 4px 4px 4px rgb(191, 136,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1730, 31.4379, 40.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 136, 166) }
```

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

```
.background{ background-color: rgb(191,  
136, 166) }
```

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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