

Converting Colors

XYZ(36.9432, 31.0308, 40.3446)

Have a look what the booklet for
XYZ(36.9432, 31.0308, 40.3446)
contains.

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Color

**XYZ(37.0328, 31.1575,
40.1385)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | BF87A6 |
| RGB | 191, 135, 166 |
| RGB Percent | 75%, 53%, 65% |
| CMY | 0.2510, 0.4706, 0.3490 |
| CMYK | 0.00, 0.29, 0.13, 0.25 |
| HSL | 327°, 30%, 64% |
| HSV | 327°, 29%, 75% |
| XYZ | 37.0328, 31.1575, 40.1385 |
| YIQ | 155.2780, 23.4250, 21.5130 |

Conversions

Conversions Part 2

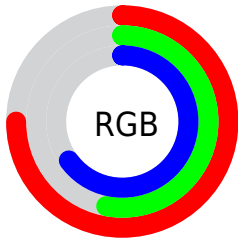
| Format | Color |
|-------------------------------------|--|
| RYB | 191, 135, 166 |
| Decimal | 12552102 |
| CIELab | 62.64, 26.22, -7.82 |
| CIELCh | 63, 27.364, 343.399 |
| Yxy | 31.1575, 0.3419, 0.2876 |
| Android (android.graphics.Color) | 4290742182 (0xFFBF87A6) |
| YUV | 155.2780, 5.2859, 31.3282 |
| Hunter-Lab | 55.8189, 20.7419, -3.5613 |

Details

The XYZ color **37.0328, 31.1575, 40.1385** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.9690, 44.9515, 40.0933**, and the grayscale version is **31.2497, 32.8771, 35.8031**.

A 20% lighter version of the original color is **69.9601, 61.5721, 76.6039**, and **16.5241, 12.8739, 17.5336** is the 20% darker color. If you saturate the color by 10%, you get **33.8468, 25.9958, 35.3443**, and if you desaturate by 10%, it is **40.7506, 37.2989, 45.3665**.

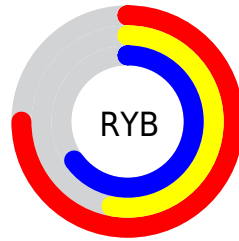
Distribution



Red (75%)

Green (53%)

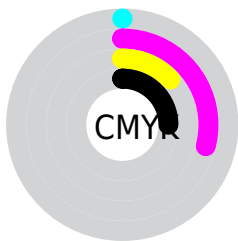
Blue (65%)



Red (75%)

Yellow (53%)

Blue (65%)

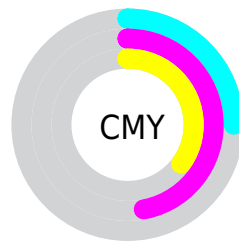


Cyan (0%)

Magenta (29%)

Yellow (13%)

Black (25%)



Cyan (25%)


Magenta (47%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0328, 31.1575, 40.1385 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 37.0328, 31.1575, 40.1385 by changing the saturation by 10% instead.


 37.0328, 31.1575,
40.1385

 37.0328, 31.1575,
40.1385

324.8056,
307.2633, 362.2764


 25.4067, 20.7188,
27.3319


 69.9367, 61.4880,
76.6138

 16.5106, 12.9186,
17.5880

 91.9453, 82.1485,
101.1195

 9.9793, 7.3725,
10.4883


 118.1453,
106.9851, 130.3622

 5.4474, 3.6962,
5.6141

148.9022,
136.3822, 164.7601

 2.5495, 1.5051,
2.5469

184.5813,
170.7242, 204.7320

 0.9203, 0.2923,
0.8648

225.5480,

 0.0000, 0.0000,

210.3954, 250.6963

0.0000

272.1676,
255.7803, 303.0716

■ 37.0328, 31.1575,
40.1385

■ 37.0328, 31.1575,
40.1385

■ 33.8468, 25.9958,
35.3443

■ 40.7506, 37.2989,
45.3665

■ 31.1632, 21.7580,
30.9683

■ 45.0220, 44.4634,
51.0395

■ 28.9541, 18.3892,
26.9964

■ 49.8710, 52.6971,
57.1704

■ 27.1872, 15.8268,
23.4127

■ 55.3194, 62.0418,
63.7710

■ 25.8262, 14.0000,
20.1995

■ 61.3875, 72.5372,
70.8525

■ 24.8285, 12.8252,
17.3372

■ 68.0950, 84.2209,
78.4258

■ 24.1179, 12.1518,
14.7944

■ 70.9314, 88.0706,
84.9916

■ 24.0734, 12.1114,
14.6301

■ 72.1291, 88.5497,
91.2981

■ 73.3857, 89.0523,
97.9154

Harmonies

Analogous

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



34.8204, 31.1575, 51.1449



37.0328, 31.1575, 40.1385



37.1533, 31.1575, 29.3845

Triad

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



37.0328, 31.1575, 40.1385



27.9832, 31.1575, 17.6102



24.7028, 31.1575, 50.0853

Complementary

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



37.0328, 31.1575, 40.1385



34.9690, 44.9515, 40.0933

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.



23.1710, 31.1575, 38.9111



37.0328, 31.1575, 40.1385



24.9548, 31.1575, 21.0825

Square

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



37.0328, 31.1575, 40.1385



31.7110, 31.1575, 17.8028



23.2592, 31.1575, 28.3887



27.6121, 31.1575, 57.6617

Rectangle

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



37.0328, 31.1575, 40.1385



36.0145, 31.1575, 23.8281



23.2592, 31.1575, 28.3887



24.0211, 31.1575, 46.5346

Sweetspot

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



37.0337, 31.1589, 40.1391



80.7767, 79.8746, 91.5960



32.4203, 28.4894, 53.0810



17.4756, 17.0974, 19.7732



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.



37.0337, 31.1589, 40.1391



62.6587, 49.8384, 66.4436



34.7918, 30.2621, 28.3332



9.7452, 9.6224, 11.0473



15.8616, 7.9758, 9.8309



0.6538, 0.3254, 0.5561

Inverse Universe

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



37.0337, 31.1589, 40.1391



62.6587, 49.8384, 66.4436



37.6218, 46.0126, 54.0626



9.7452, 9.6224, 11.0473



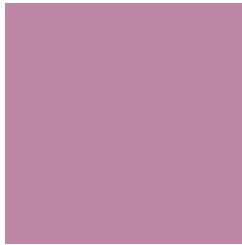
15.8616, 7.9758, 9.8309



0.6538, 0.3254, 0.5561

Previews

White Background



This preview shows how the XYZ color 37.0328, 31.1575, 40.1385 looks on a white background.

Color Contrast Check

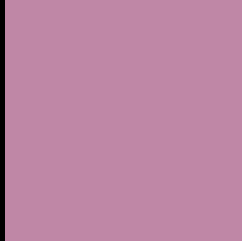
Large Text (above 18pt) WCAG AA × Fail

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 37.0328, 31.1575, 40.1385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

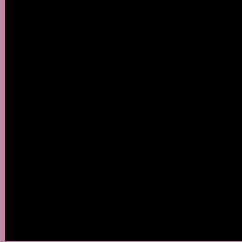
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0328, 31.1575, 40.1385

Background



This preview shows how black text looks on a background with the XYZ color 37.0328, 31.1575, 40.1385.



This preview shows how white text looks on a background with the XYZ color 37.0328, 31.1575,

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

37.0328, 31.1575, 40.1385

Protanopia

30.9357, 31.4709, 45.5183

Deuteranopia

31.9887, 31.4372, 39.5040



Tritanopia

35.4996, 31.1657, 32.5783

Trichromacy



Original Color

37.0328, 31.1575, 40.1385

Protanomaly

32.6761, 31.0159, 43.2942

Deuteranomaly

33.6272, 31.1322, 39.8341

Tritanomaly

36.0973, 31.2050, 35.1310

Monochromacy



Original Color

37.0328, 31.1575, 40.1385

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.9964, 32.0078, 37.2399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0328, 31.1575, 40.1385 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, 135, 166)` looks like.

```
.text, #text, p{  
    color:rgb(191, 135, 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, 135, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 135, 166) }
```

Border

The CSS property to change the border of an element to XYZ 37.0328, 31.1575, 40.1385 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, 135, 166) }
```


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

```
.border{ border-color:rgb(191, 135, 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, 135, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 135, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 135, 166);  
box-shadow:4px 4px 4px 4px rgb(191, 135,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0328, 31.1575, 40.1385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 135, 166) }
```

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

```
.background{ background-color: rgb(191,  
135, 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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