

Converting Colors

XYZ(37.4232, 31.0711, 42.6362)

Have a look what the booklet for
XYZ(37.4232, 31.0711, 42.6362)
contains.

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Color

**XYZ(37.3616, 31.0668,
42.5554)**

Conversions

Conversions Part 1

Format	Color
Hex	BF86AB
RGB	191, 134, 171
RGB Percent	75%, 53%, 67%
CMY	0.2510, 0.4745, 0.3294
CMYK	0.00, 0.30, 0.10, 0.25
HSL	321°, 31%, 64%
HSV	321°, 30%, 75%
XYZ	37.3616, 31.0668, 42.5554
YIQ	155.2610, 22.0950, 23.5910

Conversions

Conversions Part 2

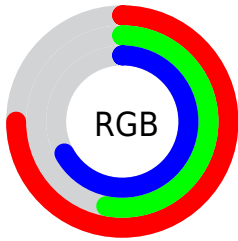
Format	Color
RYB	191, 134, 171
Decimal	12551851
CIELab	62.56, 27.63, -10.77
CIElCh	63, 29.656, 338.701
Yxy	31.0668, 0.3366, 0.2799
Android (android.graphics.Color)	4290741931 (0xFFBF86AB)
YUV	155.2610, 7.7593, 31.3431
Hunter-Lab	55.7376, 22.1100, -6.2513

Details

The XYZ color **37.3616, 31.0668, 42.5554** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.2963, 44.6639, 37.3871**, and the grayscale version is **31.2319, 32.8584, 35.7828**.

A 20% lighter version of the original color is **70.4221, 61.4139, 80.0939**, and **16.7396, 12.8368, 19.0482** is the 20% darker color. If you saturate the color by 10%, you get **34.3337, 26.0073, 38.4739**, and if you desaturate by 10%, it is **40.9005, 37.0956, 46.9678**.

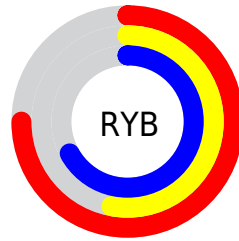
Distribution



Red (75%)

Green (53%)

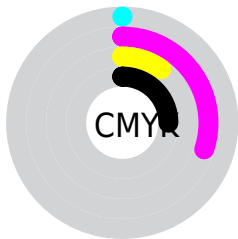
Blue (67%)



Red (75%)

Yellow (53%)

Blue (67%)

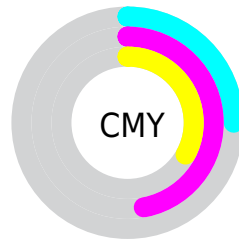


Cyan (0%)

Magenta (30%)

Yellow (10%)

Black (25%)



Cyan (25%)


Magenta (47%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3616, 31.0668, 42.5554 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 37.3616, 31.0668, 42.5554 by changing the saturation by 10% instead.


 37.3616, 31.0668,
42.5554

 37.3616, 31.0668,
42.5554


326.2018,
306.8459, 372.6475

 25.6625, 20.6497,
29.2076


 70.4388, 61.3452,
80.3187

 16.7027, 12.8682,
18.9910

 92.5477, 81.9754,
105.5712

 10.1167, 7.3379,
11.4870

 118.8572,
106.7786, 135.6291

 5.5393, 3.6743,
6.2772

149.7327,
136.1395, 170.9109

 2.6050, 1.4931,
2.9428

185.5395,
170.4422, 211.8350

 0.9485, 0.2838,
1.0655

226.6431,

 0.0000, 0.0000,

210.0713, 258.8202

0.0000

273.4088,
255.4110, 312.2848

■ 37.3616, 31.0668,
42.5554

■ 37.3616, 31.0668,
42.5554

■ 34.3337, 26.0073,
38.4739

■ 40.9005, 37.0956,
46.9678

■ 31.7879, 21.8613,
34.7102

■ 44.9718, 44.1372,
51.7195

■ 29.6966, 18.5739,
31.2531

■ 49.5992, 52.2374,
56.8209

■ 28.0280, 16.0823,
28.0896

■ 54.8038, 61.4382,
62.2813

■ 26.7460, 14.3154,
25.2051

■ 60.6058, 71.7791,
68.1096

■ 25.8082, 13.1889,
22.5829

■ 67.0244, 83.2977,
74.3142

■ 25.1328, 12.5405,
20.1931

■ 69.8899, 87.6540,
79.5075

■ 25.1228, 12.5312,
20.1564

■ 70.7846, 88.0119,
84.2187

■ 71.7152, 88.3841,
89.1189

Harmonies

Analogous

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



34.6490, 31.0668, 54.2966



37.3616, 31.0668, 42.5554



37.8794, 31.0668, 30.5756

Triad

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



37.3616, 31.0668, 42.5554



28.3700, 31.0668, 16.2748



23.8782, 31.0668, 49.7063

Complementary

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



37.3616, 31.0668, 42.5554



34.2963, 44.6639, 37.3871

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.



22.5044, 31.0668, 37.3000



37.3616, 31.0668, 42.5554



24.9383, 31.0668, 19.2814

Square

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



37.3616, 31.0668, 42.5554



32.4365, 31.0668, 17.0619



22.8740, 31.0668, 26.3811



26.7989, 31.0668, 59.0357

Rectangle

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



37.3616, 31.0668, 42.5554



36.8687, 31.0668, 24.2394



22.8740, 31.0668, 26.3811



23.2328, 31.0668, 45.6572

Sweetspot

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



37.3625, 31.0682, 42.5560



81.0902, 80.0000, 93.2467



31.2473, 27.6785, 52.9862



17.5549, 17.1291, 20.1908



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.



37.3625, 31.0682, 42.5560



63.1682, 49.3587, 71.2341



34.9359, 30.0976, 29.7779



9.7839, 9.6379, 11.2510



16.5495, 8.2510, 13.4533



0.6781, 0.3352, 0.6844

Inverse Universe

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



37.3625, 31.0682, 42.5560



63.1682, 49.3587, 71.2341



36.9534, 45.7267, 51.3794



9.7839, 9.6379, 11.2510



16.5495, 8.2510, 13.4533



0.6781, 0.3352, 0.6844

Previews

White Background



This preview shows how the XYZ color 37.3616, 31.0668, 42.5554 looks on a white background.

Color Contrast Check

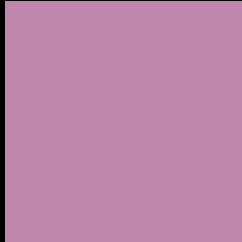
Large Text (above 18pt) WCAG AA × Fail

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 37.3616, 31.0668, 42.5554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

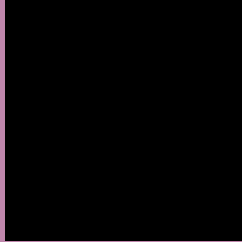
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3616, 31.0668, 42.5554

Background



This preview shows how black text looks on a background with the XYZ color 37.3616, 31.0668, 42.5554.



This preview shows how white text looks on a background with the XYZ color 37.3616, 31.0668,

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

37.3616, 31.0668, 42.5554

Protanopia

31.0269, 31.2098, 48.6448

Deuteranopia

31.9559, 31.3779, 41.4181



Tritanopia

35.2523, 31.0383, 32.5668

Trichromacy



Original Color

37.3616, 31.0668, 42.5554

Protanomaly

32.9094, 30.8423, 46.3381

Deuteranomaly

33.7785, 31.1674, 41.7717

Tritanomaly

36.0177, 31.1445, 36.0114

Monochromacy



Original Color

37.3616, 31.0668, 42.5554

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.0152, 31.7655, 38.1095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3616, 31.0668, 42.5554 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, 134, 171)` looks like.

```
.text, #text, p{  
    color:rgb(191, 134, 171)  
}
```

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, 134, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 134, 171) }
```

Border

The CSS property to change the border of an element to XYZ 37.3616, 31.0668, 42.5554 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, 134, 171) }
```


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

```
.border{ border-color:rgb(191, 134, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 134, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 134, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 134, 171);  
box-shadow:4px 4px 4px 4px rgb(191, 134,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3616, 31.0668, 42.5554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 134, 171) }
```

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

```
.background{ background-color: rgb(191,  
134, 171) }
```

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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