

Converting Colors

XYZ(37.4284, 31.5155, 63.2753)

Have a look what the booklet for
XYZ(37.4284, 31.5155, 63.2753)
contains.

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Color

**XYZ(37.3642, 31.4526,
63.1331)**

Conversions

Conversions Part 1

Format	Color
Hex	AC8ACF
RGB	172, 138, 207
RGB Percent	67%, 54%, 81%
CMY	0.3255, 0.4588, 0.1882
CMYK	0.17, 0.33, 0.00, 0.19
HSL	270°, 42%, 68%
HSV	270°, 33%, 81%
XYZ	37.3642, 31.4526, 63.1331
YIQ	156.0320, -1.8850, 28.6670

Conversions

Conversions Part 2

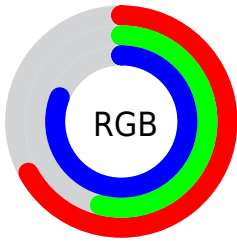
Format	Color
R_{YB}	172, 138, 207
Decimal	11307727
CIE _{Lab}	62.89, 26.24, -30.76
CIE _{LCh}	63, 40.434, 310.468
Yxy	31.4526, 0.2832, 0.2384
Android (android.graphics.Color)	4289497807 (0xFFAC8ACF)
YUV	156.0320, 25.1272, 14.0039
Hunter-Lab	56.0826, 20.7784, -27.4859

Details

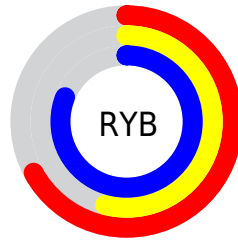
The XYZ color **37.3642, 31.4526, 63.1331** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.1348, 55.3456, 32.4027**, and the grayscale version is **31.5072, 33.1480, 36.0982**.

A 20% lighter version of the original color is **68.8945, 61.4133, 102.8305**, and **16.7650, 13.1684, 31.3639** is the 20% darker color. If you saturate the color by 10%, you get **32.4586, 24.9278, 62.1327**, and if you desaturate by 10%, it is **43.0200, 39.2058, 64.3320**.

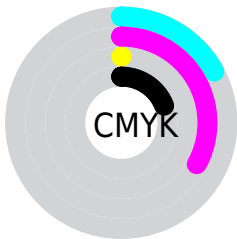
Distribution



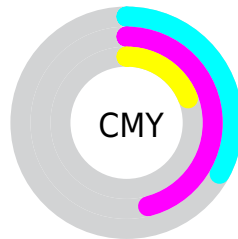
- Red (67%)
- Green (54%)
- Blue (81%)



- Red (67%)
- Yellow (54%)
- Blue (81%)



- Cyan (17%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)





- Cyan (33%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3642, 31.4526, 63.1331 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 37.3642, 31.4526, 63.1331 by changing the saturation by 10% instead.


 37.3642, 31.4526,
63.1331


 37.3642, 31.4526,
63.1331


326.2128,
308.6181, 454.1736

 25.6646, 20.9437,
45.5072


 70.4428, 61.9519,
110.9489

 16.7042, 13.0829,
31.5113

 92.5524, 82.7112,
141.9760

 10.1178, 7.4856,
20.7268

 118.8628,
107.6561, 178.3071

 5.5400, 3.7676,
12.7351

149.7392,
137.1709, 220.3609

 2.6054, 1.5444,
7.1178

185.5471,
171.6402, 268.5559

 0.9487, 0.3197,
3.4563

226.6518,

 0.0000, 0.0000,

211.4482, 323.3107

1.3321

273.4186,
256.9793, 385.0437

■ 0.0000, 0.0000,
0.0879

■ 0.0000, 0.0000,
0.0000

■ 37.3642, 31.4526,
63.1331

■ 37.3642, 31.4526,
63.1331

■ 32.4586, 24.9278,
62.1327

■ 43.0200, 39.2058,
64.3320

■ 28.2636, 19.5608,
61.3179

■ 49.4566, 48.2450,
65.7375

■ 24.7403, 15.2797,
60.6773

■ 56.7065, 58.6288,
67.3597

■ 21.8446, 12.0027,
60.1974

■ 64.7995, 70.4109,
69.2073

■ 19.5259, 9.6356,
59.8627

■ 73.7637, 83.6421,
71.2887

■ 17.7238, 8.0651,
59.6545

■ 81.2844, 93.6876,
72.8313

■ 16.7420, 7.3298,
59.5643

■ 84.8544, 95.5280,
72.9984

■ 88.2626, 97.2850,
73.1579

Harmonies

Analogous

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



31.8746, 31.4526, 73.9158



37.3642, 31.4526, 63.1331



41.1140, 31.4526, 45.5062

Triad

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



37.3642, 31.4526, 63.1331



33.6038, 31.4526, 12.7733



20.5863, 31.4526, 40.1009

Complementary

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



37.3642, 31.4526, 63.1331



44.1348, 55.3456, 32.4027

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.



20.9283, 31.4526, 25.0166



37.3642, 31.4526, 63.1331



27.9987, 31.4526, 12.1369

Square

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



37.3642, 31.4526, 63.1331



38.7640, 31.4526, 18.0025



23.4937, 31.4526, 15.8698



22.4934, 31.4526, 58.1399

Rectangle

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



37.3642, 31.4526, 63.1331



41.8772, 31.4526, 33.9975



23.4937, 31.4526, 15.8698



20.4484, 31.4526, 34.4967

Sweetspot

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



37.3653, 31.4539, 63.1338



82.8482, 82.4245, 106.1507



36.8133, 40.0465, 64.8214



17.3893, 17.1523, 22.6442



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.



37.3653, 31.4539, 63.1338



54.1409, 42.7356, 100.0030



45.7638, 35.7835, 63.5268



11.7105, 11.6996, 14.8847



10.6570, 4.6742, 37.5330



0.6874, 0.3085, 2.1029

Inverse Universe

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



42.3644, 34.4607, 43.9551



63.6192, 48.4377, 63.5891



37.5738, 51.9633, 32.0957



12.0554, 11.9069, 13.5673



17.8668, 9.0196, 9.4709



1.0390, 0.5203, 0.7404

Previews

White Background



This preview shows how the XYZ color 37.3642, 31.4526, 63.1331 looks on a white background.

Color Contrast Check

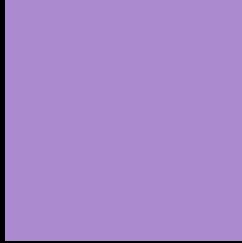
Large Text (above 18pt) WCAG AA × Fail

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 37.3642, 31.4526, 63.1331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

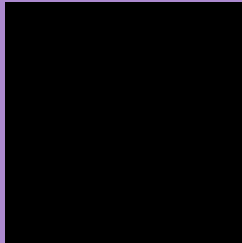
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3642, 31.4526, 63.1331

Background



This preview shows how black text looks on a background with the XYZ color 37.3642, 31.4526, 63.1331.



This preview shows how white text looks on a background with the XYZ color 37.3642, 31.4526,

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

37.3642, 31.4526, 63.1331

Protanopia

32.6611, 31.5959, 69.3429

Deuteranopia

32.4070, 31.6237, 62.1536



Tritanopia

32.1578, 31.5755, 37.2007

Trichromacy



Original Color

37.3642, 31.4526, 63.1331

Protanomaly

34.1432, 31.4729, 67.2261

Deuteranomaly

33.9971, 31.4980, 62.6804

Tritanomaly

33.7461, 31.2966, 45.3365

Monochromacy



Original Color

37.3642, 31.4526, 63.1331

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.3856, 32.2714, 45.0268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3642, 31.4526, 63.1331 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(172, 138, 207)` looks like.

```
.text, #text, p{  
    color:rgb(172, 138, 207)  
}
```

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(172, 138, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 138, 207) }
```

Border

The CSS property to change the border of an element to XYZ 37.3642, 31.4526, 63.1331 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(172, 138, 207) }
```


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

```
.border{ border-color:rgb(172, 138, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 138, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 138, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 138, 207);  
box-shadow:4px 4px 4px 4px rgb(172, 138,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3642, 31.4526, 63.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 138, 207) }
```

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

```
.background{ background-color: rgb(172,  
138, 207) }
```

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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