

Converting Colors

XYZ(37.3824, 31.1181, 67.1730)

Have a look what the booklet for
XYZ(37.3824, 31.1181, 67.1730)
contains.

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Color

**XYZ(37.3181, 31.1304,
66.9927)**

Conversions

Conversions Part 1

Format	Color
Hex	A989D5
RGB	169, 137, 213
RGB Percent	66%, 54%, 84%
CMY	0.3372, 0.4627, 0.1647
CMYK	0.21, 0.36, 0.00, 0.16
HSL	265°, 47%, 69%
HSV	265°, 36%, 84%
XYZ	37.3181, 31.1304, 66.9927
YIQ	155.2320, -5.3240, 30.4200

Conversions

Conversions Part 2

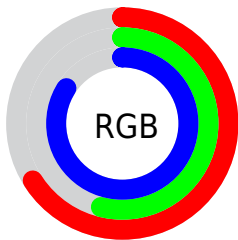
Format	Color
RYB	169, 137, 213
Decimal	11110869
CIELab	62.62, 27.26, -34.56
CIELCh	63, 44.014, 308.264
Yxy	31.1304, 0.2755, 0.2298
Android (android.graphics.Color)	4289300949 (0xFFA989D5)
YUV	155.2320, 28.4796, 12.0745
Hunter-Lab	55.7946, 21.7487, -32.1334

Details

The XYZ color **37.3181, 31.1304, 66.9927** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **47.3664, 59.2191, 32.6021**, and the grayscale version is **31.1388, 32.7605, 35.6761**.

A 20% lighter version of the original color is **67.7321, 60.4892, 102.7134**, and **16.6500, 12.9298, 33.9659** is the 20% darker color. If you saturate the color by 10%, you get **32.0621, 24.3616, 65.9637**, and if you desaturate by 10%, it is **43.4235, 39.2256, 68.2340**.

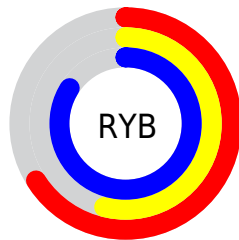
Distribution



Red (66%)

Green (54%)

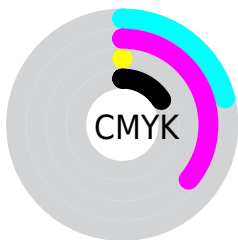
Blue (84%)



Red (66%)

Yellow (54%)

Blue (84%)

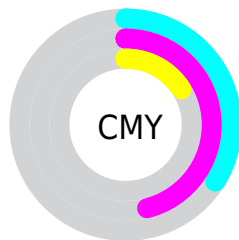


Cyan (21%)

Magenta (36%)

Yellow (0%)

Black (16%)



Cyan (34%)

Magenta (46%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3181, 31.1304, 66.9927 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 37.3181, 31.1304, 66.9927 by changing the saturation by 10% instead.

37.3181, 31.1304,
66.9927

37.3181, 31.1304,
66.9927

326.0173,
307.1386, 468.4196

25.6287, 20.6982,
48.6171

70.3724, 61.4453,
116.5505

16.6773, 12.9036,
33.9524

92.4680, 82.0968,
148.5698

10.0985, 7.3622,
22.5800

118.7631,
106.9235, 185.9741

5.5271, 3.6896,
14.0813

149.6229,
136.3097, 229.1820

2.5976, 1.5015,
8.0378

185.4129,
170.6400, 278.6119

0.9447, 0.2898,
4.0310

226.4984,

0.0000, 0.0000,

210.2986, 334.6825

1.6424

273.2448,
255.6700, 397.8122

■ 0.0000, 0.0000,
0.3208

■ 0.0000, 0.0000,
0.0000

■ 37.3181, 31.1304,
66.9927

■ 37.3181, 31.1304,
66.9927

■ 32.0621, 24.3616,
65.9637

■ 43.4235, 39.2256,
68.2340

■ 27.6100, 18.8413,
65.1329

■ 50.4140, 48.7119,
69.6966

■ 23.9166, 14.4889,
64.4874

■ 58.3273, 59.6538,
71.3915

■ 20.9305, 11.2125,
64.0124

■ 67.1975, 72.1110,
73.3285

■ 18.5924, 8.9056,
63.6903

■ 77.0573, 86.1396,
75.5166

■ 16.8309, 7.4375,
63.4998

■ 84.7296, 95.3774,
76.8953

■ 16.1963, 6.9621,
63.4415

■ 89.0103, 97.5841,
77.0956

Harmonies

Analogous

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



31.2768, 31.1304, 78.1968



37.3181, 31.1304, 66.9927



41.6421, 31.1304, 47.6532

Triad

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



37.3181, 31.1304, 66.9927



34.0669, 31.1304, 11.5455



19.5826, 31.1304, 38.8665

Complementary

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



37.3181, 31.1304, 66.9927



47.3664, 59.2191, 32.6021

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.



20.1191, 31.1304, 23.0792



37.3181, 31.1304, 66.9927



27.9621, 31.1304, 10.5950

Square

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



37.3181, 31.1304, 66.9927



39.5955, 31.1304, 17.2839



23.0075, 31.1304, 14.0183



21.4279, 31.1304, 58.7313

Rectangle

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



37.3181, 31.1304, 66.9927



42.6734, 31.1304, 34.9060



23.0075, 31.1304, 14.0183



19.4959, 31.1304, 32.9051

Sweetspot

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



37.3192, 31.1317, 66.9934



81.0213, 80.4399, 105.8639



38.9195, 43.3070, 69.2591



16.9979, 16.7427, 22.5857



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.



37.3192, 31.1317, 66.9934



49.8456, 38.7217, 99.4546



46.5958, 35.9139, 67.4275



12.2332, 12.2616, 15.6595



10.0042, 4.3099, 38.7578



0.6967, 0.3080, 2.3420

Inverse Universe

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



44.7276, 35.3747, 48.1875



62.9067, 46.2130, 65.8165



39.6960, 55.2648, 32.2431



12.7216, 12.5402, 14.4744



19.0099, 9.5403, 12.6220



1.1875, 0.5918, 0.9768

Previews

White Background



This preview shows how the XYZ color 37.3181, 31.1304, 66.9927 looks on a white background.

Color Contrast Check

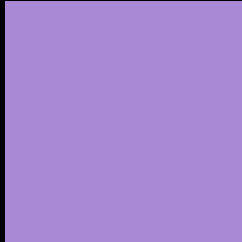
Large Text (above 18pt) WCAG AA × Fail

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 37.3181, 31.1304, 66.9927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

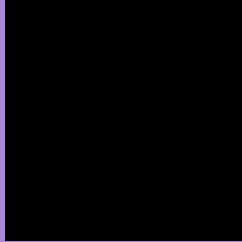
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3181, 31.1304, 66.9927

Background



This preview shows how black text looks on a background with the XYZ color 37.3181, 31.1304, 66.9927.



This preview shows how white text looks on a background with the XYZ color 37.3181, 31.1304,

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

37.3181, 31.1304, 66.9927

Protanopia

32.8191, 31.3346, 74.1305

Deuteranopia

32.0549, 31.3714, 65.3386



Tritanopia

31.4323, 31.1915, 37.6216

Trichromacy



Original Color

37.3181, 31.1304, 66.9927

Protanomaly

34.0669, 31.1161, 71.2283

Deuteranomaly

33.5603, 30.9737, 65.8377

Tritanomaly

33.2142, 30.9877, 46.8785

Monochromacy



Original Color

37.3181, 31.1304, 66.9927

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.9236, 31.7880, 45.4747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3181, 31.1304, 66.9927 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(169, 137, 213)` looks like.

```
.text, #text, p{  
    color:rgb(169, 137, 213)  
}
```

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(169, 137, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 137, 213) }
```

Border

The CSS property to change the border of an element to XYZ 37.3181, 31.1304, 66.9927 is called "border". The border property can be set on classes, ids or directly on the HTML element.

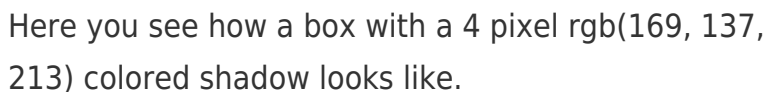
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 137, 213) }
```


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

```
.border{ border-color:rgb(169, 137, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 137, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 137, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 137, 213); box-shadow:4px 4px 4px 4px rgb(169, 137, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3181, 31.1304, 66.9927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 137, 213) }
```

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

```
.background{ background-color: rgb(169,  
137, 213) }
```

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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