

Converting Colors

XYZ(31.6968, 37.0312, 22.3025)

Have a look what the booklet for
XYZ(31.6968, 37.0312, 22.3025)
contains.

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Color

**XYZ(31.6969, 37.0312,
22.3068)**

Conversions

Conversions Part 1

Format	Color
Hex	9FA975
RGB	159, 169, 117
RGB Percent	62%, 66%, 46%
CMY	0.3765, 0.3372, 0.5412
CMYK	0.06, 0.00, 0.31, 0.34
HSL	72°, 23%, 56%
HSV	72°, 31%, 66%
XYZ	31.6969, 37.0312, 22.3068
YIQ	160.0820, 10.7320, -18.2920

Conversions

Conversions Part 2

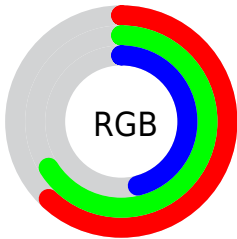
Format	Color
RYB	117, 169, 127
Decimal	10463605
CIELab	67.30, -12.32, 25.72
CIELCh	67, 28.518, 115.595
Yxy	37.0312, 0.3482, 0.4068
Android (android.graphics.Color)	4288653685 (0xFF9FA975)
YUV	160.0820, -21.2394, -0.9489
Hunter-Lab	60.8533, -13.5172, 20.8635

Details

The XYZ color **31.6969, 37.0312, 22.3068** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.2766, 20.1002, 40.2438**, and the grayscale version is **33.5436, 35.2905, 38.4313**.

A 20% lighter version of the original color is **61.6429, 70.5097, 48.3910**, and **13.4681, 16.2657, 7.8986** is the 20% darker color. If you saturate the color by 10%, you get **30.1557, 36.3425, 17.5078**, and if you desaturate by 10%, it is **33.4364, 37.8038, 28.0531**.

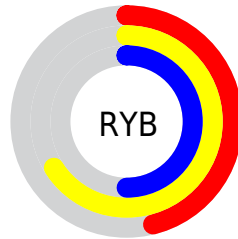
Distribution



Red (62%)

Green (66%)

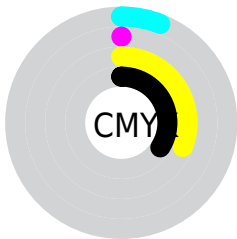
Blue (46%)



Red (46%)

Yellow (66%)

Blue (50%)

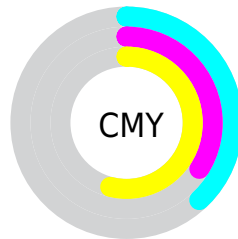


Cyan (6%)

Magenta (0%)

Yellow (31%)

Black (34%)



Cyan (38%)

Magenta (34%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6969, 37.0312, 22.3068 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 31.6969, 37.0312, 22.3068 by changing the saturation by 10% instead.

■ 31.6969, 37.0312,
22.3068

■ 31.6969, 37.0312,
22.3068

301.5061,
333.4456, 277.1499

■ 21.2845, 25.2316,
13.8820

■ 61.7040, 70.6208,
48.1612

■ 13.4458, 16.2497,
7.9009

■ 82.0295, 93.1796,
66.4280

■ 7.8153, 9.7010,
3.9447

■ 106.3900,
120.0936, 88.8124

■ 4.0278, 5.2012,
1.5951

135.1510,
151.7472, 115.7332

■ 1.7179, 2.3658,
0.2873

168.6777,
188.5248, 147.6088

■ 0.4674, 0.8082,
0.0000

207.3355,

■ 0.0000, 0.0000,

230.8108, 184.8577

0.0000

251.4899,
278.9896, 227.8986

■ 31.6969, 37.0312,
22.3068

■ 31.6969, 37.0312,
22.3068

■ 30.1557, 36.3425,
17.5078

■ 33.4364, 37.8038,
28.0531

■ 28.8001, 35.7287,
13.6028

■ 35.3805, 38.6588,
34.7914

■ 27.6204, 35.1872,
10.5369


■ 37.5384, 39.6014,
42.5663


■ 26.6048, 34.7132,
8.2483


■ 39.9183, 40.6348,
51.4192


■ 25.7397, 34.3013,
6.6666


■ 42.5276, 41.7620,
61.3891


 25.0092, 33.9452,
5.7086

 45.3735, 42.9858,
72.5131

 24.4221, 33.6530,
5.2085

 48.4628, 44.3091,
84.8266

 51.8021, 45.7344,
98.3634

 53.0423, 46.3221,
100.7532

Harmonies

Analogous

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



35.8451, 37.0312, 20.8014



31.6969, 37.0312, 22.3068



28.7212, 37.0312, 28.2151

Triad

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



31.6969, 37.0312, 22.3068



30.6678, 37.0312, 63.5611



44.2384, 37.0312, 42.1937

Complementary

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



31.6969, 37.0312, 22.3068



22.2766, 20.1002, 40.2438

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.



42.5798, 37.0312, 55.4715



31.6969, 37.0312, 22.3068



34.5568, 37.0312, 69.3218

Square

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



31.6969, 37.0312, 22.3068



28.1624, 37.0312, 51.6123



38.9458, 37.0312, 66.0926



43.3153, 37.0312, 30.8092

Rectangle

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



31.6969, 37.0312, 22.3068



27.6831, 37.0312, 34.6359



38.9458, 37.0312, 66.0926



43.9608, 37.0312, 46.5958

Sweetspot

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



31.6978, 37.0328, 22.3076



63.9565, 69.4928, 64.4188



27.1036, 24.7789, 20.1845



13.8266, 15.0968, 13.6389



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.6978, 37.0328, 22.3076



54.8258, 65.4529, 33.8492



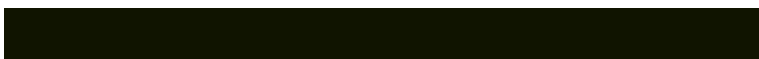
27.1469, 34.6867, 22.0946



8.0033, 8.6998, 8.0467



18.2435, 25.1021, 3.8837



0.4792, 0.6289, 0.0961

Inverse Universe

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



22.2766, 20.1002, 40.2438



35.2195, 30.2003, 71.1981



26.5729, 22.3151, 40.4449



7.2615, 7.3674, 9.4577



5.8287, 2.3883, 28.1293



0.1790, 0.0773, 0.6861

Previews

White Background



This preview shows how the XYZ color 31.6969, 37.0312, 22.3068 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 31.6969, 37.0312, 22.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

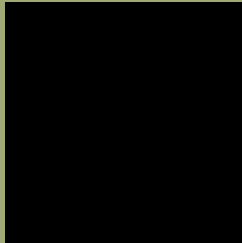
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6969, 37.0312, 22.3068

Background



This preview shows how black text looks on a background with the XYZ color 31.6969, 37.0312, 22.3068.



This preview shows how white text looks on a background with the XYZ color 31.6969, 37.0312,

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

31.6969, 37.0312, 22.3068

Protanopia

34.5014, 37.1358, 21.5692

Deuteranopia

37.6953, 36.9393, 22.9126



Tritanopia

36.4967, 37.1121, 45.2842

Trichromacy



Original Color

31.6969, 37.0312, 22.3068

Protanomaly

33.3662, 37.0794, 21.9215

Deuteranomaly

35.1307, 36.6454, 22.6744

Tritanomaly

34.5147, 37.1027, 35.4794

Monochromacy



Original Color

31.6969, 37.0312, 22.3068

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.6284, 35.6816, 31.5531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6969, 37.0312, 22.3068 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(159, 169, 117)` looks like.

```
.text, #text, p{  
    color:rgb(159, 169, 117)  
}
```

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(159, 169, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 169, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.6969, 37.0312, 22.3068 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(159, 169, 117) }
```


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

```
.border{ border-color:rgb(159, 169, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 169, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 169, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 169, 117);  
box-shadow:4px 4px 4px 4px rgb(159, 169,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6969, 37.0312, 22.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 169, 117) }
```

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

```
.background{ background-color: rgb(159,  
169, 117) }
```

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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