

Converting Colors

XYZ(31.2710, 37.7885, 16.2359)

Have a look what the booklet for
XYZ(31.2710, 37.7885, 16.2359)
contains.

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Color

**XYZ(31.2701, 37.7868,
16.2351)**

Conversions

Conversions Part 1

Format	Color
Hex	A0AC5E
RGB	160, 172, 94
RGB Percent	63%, 67%, 37%
CMY	0.3725, 0.3255, 0.6314
CMYK	0.07, 0.00, 0.45, 0.33
HSL	69°, 32%, 52%
HSV	69°, 45%, 67%
XYZ	31.2701, 37.7868, 16.2351
YIQ	159.5200, 17.8860, -26.8020

Conversions

Conversions Part 2

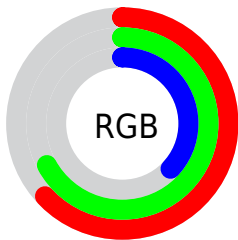
Format	Color
RYB	94, 172, 106
Decimal	10529886
CIELab	67.86, -16.31, 38.54
CIElCh	68, 41.846, 112.938
Yxy	37.7868, 0.3666, 0.4430
Android (android.graphics.Color)	4288719966 (0xFFA0AC5E)
YUV	159.5200, -32.3014, 0.4210
Hunter-Lab	61.4710, -16.7718, 27.3706

Details

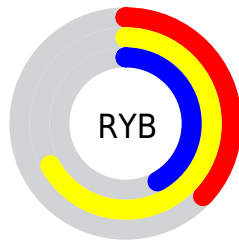
The XYZ color **31.2701, 37.7868, 16.2351** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **17.3943, 14.0491, 40.8269**, and the grayscale version is **33.3316, 35.0674, 38.1884**.

A 20% lighter version of the original color is **60.9763, 71.6124, 37.8029**, and **13.2535, 16.7482, 5.0168** is the 20% darker color. If you saturate the color by 10%, you get **30.0595, 37.2434, 12.5889**, and if you desaturate by 10%, it is **32.6659, 38.4082, 20.7893**.

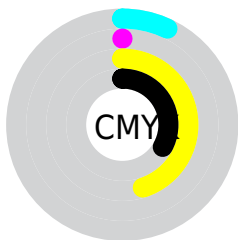
Distribution



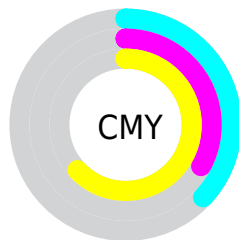
- Red (63%)
- Green (67%)
- Blue (37%)



- Red (37%)
- Yellow (67%)
- Blue (42%)



- Cyan (7%)
- Magenta (0%)
- Yellow (45%)
- Black (33%)



- Cyan (37%)
- Magenta (33%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2701, 37.7868, 16.2351 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 31.2701, 37.7868, 16.2351 by changing the saturation by 10% instead.

■ 31.2701, 37.7868,
16.2351

■ 31.2701, 37.7868,
16.2351

299.5855,
336.7045, 242.6179

■ 20.9574, 25.8173,
9.5345

■ 61.0380, 71.7812,
37.7783

■ 13.2052, 16.6870,
4.9899

■ 81.2240, 94.5749,
53.4580

■ 7.6480, 10.0116,
2.1827

■ 105.4318,
121.7455, 72.9679

■ 3.9204, 5.4066,
0.6644

■ 134.0268,
153.6772, 96.7264

■ 1.6572, 2.4878,
0.0000

167.3742,
190.7546, 125.1521

■ 0.4293, 0.8705,
0.0000

205.8396,

■ 0.0000, 0.0000,

233.3620, 158.6636

0.0000

249.7882,
281.8839, 197.6793

■ 31.2701, 37.7868,
16.2351

■ 31.2701, 37.7868,
16.2351

■ 30.0595, 37.2434,
12.5889

■ 32.6659, 38.4082,
20.7893

■ 29.0196, 36.7683,
9.7874

■ 34.2545, 39.1068,
26.3043

■ 28.1383, 36.3578,
7.7630


■ 36.0468, 39.8881,
32.8319


■ 27.4006, 36.0061,
6.4368


■ 38.0517, 40.7558,
40.4193


■ 26.7876, 35.7055,
5.7097


■ 40.2778, 41.7133,
49.1109

 26.5246, 35.5750,
5.4687

 42.7329, 42.7638,
58.9483

 45.4247, 43.9103,
69.9713

 48.3605, 45.1557,
82.2176

 51.5471, 46.5029,
95.7231

Harmonies

Analogous

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



37.4707, 37.7868, 14.8997



31.2701, 37.7868, 16.2351



26.8531, 37.7868, 23.1513

Triad

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



31.2701, 37.7868, 16.2351



28.9102, 37.7868, 76.7387



49.7702, 37.7868, 45.6934

Complementary

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



31.2701, 37.7868, 16.2351



17.3943, 14.0491, 40.8269

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.



46.8163, 37.7868, 66.6458



31.2701, 37.7868, 16.2351



34.4034, 37.7868, 87.7511

Square

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



31.2701, 37.7868, 16.2351



25.6095, 37.7868, 56.6947



40.9990, 37.7868, 83.5877



48.6701, 37.7868, 28.7327

Rectangle

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



31.2701, 37.7868, 16.2351



25.2621, 37.7868, 31.5271



40.9990, 37.7868, 83.5877



49.2076, 37.7868, 52.5398

Sweetspot

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



31.2710, 37.7885, 16.2359



65.7709, 72.5240, 60.9748



24.1581, 19.8262, 13.1437



14.1369, 15.6931, 12.6692



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.2710, 37.7885, 16.2359



54.6072, 67.5966, 23.0603



24.7015, 34.4018, 15.9284



8.5398, 9.2669, 8.5520



19.7748, 26.4914, 4.0711



0.5822, 0.7535, 0.1148

Inverse Universe

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



17.3943, 14.0491, 40.8269



26.3895, 19.2770, 73.1357



23.0746, 16.9773, 41.0928



7.6894, 7.8142, 10.0557



5.8982, 2.4005, 29.1970



0.1984, 0.0845, 0.8138

Previews

White Background



This preview shows how the XYZ color 31.2701, 37.7868, 16.2351 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 31.2701, 37.7868, 16.2351 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 31.2701, 37.7868, 16.2351

Background



This preview shows how black text looks on a background with the XYZ color 31.2701, 37.7868, 16.2351.



This preview shows how white text looks on a background with the XYZ color 31.2701, 37.7868,

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

31.2701, 37.7868, 16.2351

Protanopia

34.6783, 37.6281, 15.5604

Deuteranopia

38.4719, 37.7343, 16.5650



Tritanopia

37.5112, 37.8750, 46.4079

Trichromacy



Original Color

31.2701, 37.7868, 16.2351

Protanomaly

33.4340, 37.7942, 15.8888

Deuteranomaly

35.4582, 37.4780, 16.4315

Tritanomaly

34.5504, 37.4548, 32.6026

Monochromacy



Original Color

31.2701, 37.7868, 16.2351

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2166, 35.8021, 28.5050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2701, 37.7868, 16.2351 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(160, 172, 94)` looks like.

```
.text, #text, p{  
    color:rgb(160, 172, 94)  
}
```

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(160, 172, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 172, 94) }
```

Border

The CSS property to change the border of an element to XYZ 31.2701, 37.7868, 16.2351 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(160, 172, 94) }
```


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

```
.border{ border-color:rgb(160, 172, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 172, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 172, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 172, 94);  
box-shadow:4px 4px 4px 4px rgb(160, 172,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2701, 37.7868, 16.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 172, 94) }
```

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

```
.background{ background-color: rgb(160,  
172, 94) }
```

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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