

Converting Colors

XYZ(31.6001, 37.7525, 31.0332)

Have a look what the booklet for
XYZ(31.6001, 37.7525, 31.0332)
contains.

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Color

**XYZ(31.4891, 37.5690,
31.1831)**

Conversions

Conversions Part 1

Format	Color
Hex	92AC8E
RGB	146, 172, 142
RGB Percent	57%, 67%, 56%
CMY	0.4274, 0.3255, 0.4431
CMYK	0.15, 0.00, 0.17, 0.33
HSL	112°, 15%, 62%
HSV	112°, 17%, 67%
XYZ	31.4891, 37.5690, 31.1831
YIQ	160.8060, -5.8660, -14.8420

Conversions

Conversions Part 2

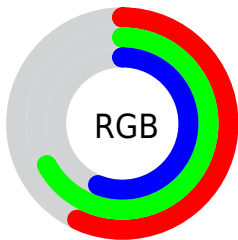
Format	Color
RYB	142, 172, 168
Decimal	9612430
CIELab	67.70, -14.81, 12.48
CIELCh	68, 19.368, 139.872
Yxy	37.5690, 0.3141, 0.3748
Android (android.graphics.Color)	4287802510 (0xFF92AC8E)
YUV	160.8060, -9.2714, -12.9849
Hunter-Lab	61.2936, -15.5607, 12.7417

Details

The XYZ color **31.4891, 37.5690, 31.1831** is a light color, and the websafe version is hex **999966**. A complement of this color would be **33.2693, 30.6504, 43.1942**, and the grayscale version is **33.8307, 35.5925, 38.7602**.

A 20% lighter version of the original color is **61.2523, 71.2031, 62.7398**, and **13.3676, 16.6385, 12.6322** is the 20% darker color. If you saturate the color by 10%, you get **27.8168, 35.8149, 24.7823**, and if you desaturate by 10%, it is **35.7083, 39.5842, 38.6513**.

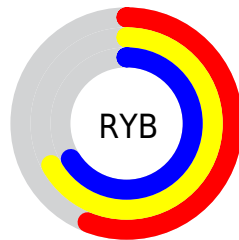
Distribution



Red (57%)

Green (67%)

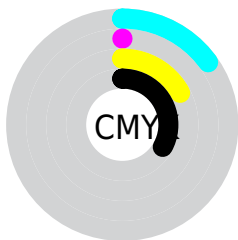
Blue (56%)



Red (56%)

Yellow (67%)

Blue (66%)

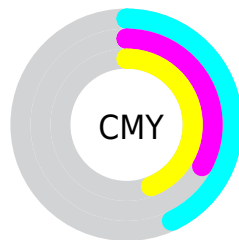


Cyan (15%)

Magenta (0%)

Yellow (17%)

Black (33%)



Cyan (43%)


Magenta (33%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4891, 37.5690, 31.1831 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 31.4891, 37.5690, 31.1831 by changing the saturation by 10% instead.


 31.4891, 37.5690,
31.1831


 31.4891, 37.5690,
31.1831

300.5721,
335.7675, 321.7583


 21.1252, 25.6483,
20.4787


 61.3799, 71.4470,
62.6112

 13.3285, 16.5608,
12.5560


 81.6376, 94.1732,
84.1719

 7.7337, 9.9218,
6.9964


 105.9238,
121.2700, 110.1885

 3.9754, 5.3472,
3.3814

134.6041,
153.1219, 141.0795

 1.6882, 2.4524,
1.2925

168.0437,
190.1132, 177.2634

 0.4489, 0.8526,
0.0557

206.6080,

 0.0000, 0.0000,

232.6283, 219.1589

0.0000

250.6624,
281.0516, 267.1843

■ 31.4891, 37.5690,
31.1831

■ 31.4891, 37.5690,
31.1831

■ 27.8168, 35.8149,
24.7823

■ 35.7083, 39.5842,
38.6513

■ 24.6661, 34.3065,
19.3980

■ 40.4925, 41.8657,
47.2300

■ 22.0139, 33.0343,
14.9785

■ 45.8625, 44.4242,
56.9628

■ 19.8346, 31.9863,
11.4667

■ 51.8375, 47.2687,
67.8902

■ 18.0998, 31.1492,
8.7998

■ 58.4355, 50.4078,
80.0510

■ 16.7783, 30.5085,
6.9065

■ 65.6739, 53.8495,
93.4820

■ 15.8348, 30.0477,
5.7041

■ 72.3540, 57.1156,
101.8187

■ 15.2226, 29.7456,
5.0655

■ 74.0432, 57.9865,
101.8977

■ 15.1050, 29.6878,
4.9342

Harmonies

Analogous

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



33.7888, 37.5690, 27.2898



31.4891, 37.5690, 31.1831



30.3409, 37.5690, 38.0779

Triad

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



31.4891, 37.5690, 31.1831



34.7065, 37.5690, 59.3560



41.3943, 37.5690, 35.5593

Complementary

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



31.4891, 37.5690, 31.1831



33.2693, 30.6504, 43.1942

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.



41.6739, 37.5690, 43.8713



31.4891, 37.5690, 31.1831



37.6989, 37.5690, 58.4328

Square

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



31.4891, 37.5690, 31.1831



32.1286, 37.5690, 54.8358



40.2883, 37.5690, 52.4657



39.5443, 37.5690, 29.5613

Rectangle

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



31.4891, 37.5690, 31.1831



30.3369, 37.5690, 43.7955



40.2883, 37.5690, 52.4657



41.6788, 37.5690, 38.1470

Sweetspot

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



31.4901, 37.5706, 31.1839



66.7256, 72.7379, 73.5936



35.8999, 38.7306, 31.1754



14.3776, 15.7487, 15.7731



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.



31.4901, 37.5706, 31.1839



54.3882, 66.8478, 51.7757



31.6588, 37.5574, 35.7187



8.0001, 8.9886, 8.5267



11.2680, 22.1059, 3.6730



0.3437, 0.6306, 0.1036

Inverse Universe

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



33.2693, 30.6504, 43.1942



58.2342, 51.8806, 77.7504



33.1206, 30.6908, 37.8978



8.2305, 8.0931, 10.0810



14.8076, 6.9935, 29.6139



0.4404, 0.2092, 0.8252

Previews

White Background



This preview shows how the XYZ color 31.4891, 37.5690, 31.1831 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 31.4891, 37.5690, 31.1831 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 31.4891, 37.5690, 31.1831

Background



This preview shows how black text looks on a background with the XYZ color 31.4891, 37.5690, 31.1831.



This preview shows how white text looks on a background with the XYZ color 31.4891, 37.5690,

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

31.4891, 37.5690, 31.1831

Protanopia

35.3185, 37.3846, 29.3992

Deuteranopia

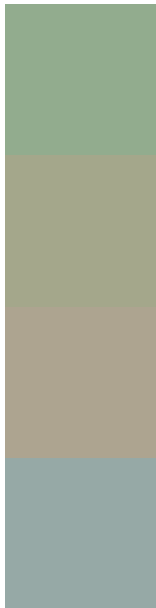
38.2480, 37.5320, 32.0166



Tritanopia

35.0058, 37.6081, 48.5941

Trichromacy



Original Color

31.4891, 37.5690, 31.1831

Protanomaly

33.7888, 37.3940, 29.8630

Deuteranomaly

35.5431, 37.4488, 31.7406

Tritanomaly

33.6486, 37.6131, 41.5630

Monochromacy



Original Color

31.4891, 37.5690, 31.1831

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.9982, 36.3113, 35.8414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4891, 37.5690, 31.1831 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(146, 172, 142) looks like.

```
.text, #text, p{  
    color:rgb(146, 172, 142)  
}
```

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(146, 172, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 172, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.4891, 37.5690, 31.1831 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(146, 172, 142) }
```


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

```
.border{ border-color:rgb(146, 172, 142) }
```

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

Here you see how a box with a 4 pixel rgb(146, 172, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 172, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 172, 142);  
box-shadow:4px 4px 4px 4px rgb(146, 172,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4891, 37.5690, 31.1831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 172, 142) }
```

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

```
.background{ background-color: rgb(146,  
172, 142) }
```

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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