

Converting Colors

XYZ(31.5001, 37.7879, 21.5531)

Have a look what the booklet for
XYZ(31.5001, 37.7879, 21.5531)
contains.

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Color

**XYZ(31.5001, 37.7879,
21.5531)**

Conversions

Conversions Part 1

Format	Color
Hex	9CAC72
RGB	156, 172, 114
RGB Percent	61%, 67%, 45%
CMY	0.3882, 0.3255, 0.5529
CMYK	0.09, 0.00, 0.34, 0.33
HSL	77°, 26%, 56%
HSV	77°, 34%, 67%
XYZ	31.5001, 37.7879, 21.5531
YIQ	160.6040, 9.0820, -21.4300

Conversions

Conversions Part 2

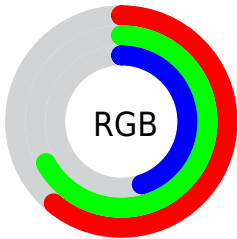
Format	Color
RYB	114, 172, 130
Decimal	10267762
CIELab	67.86, -15.47, 28.03
CIELCh	68, 32.018, 118.888
Yxy	37.7879, 0.3468, 0.4160
Android (android.graphics.Color)	4288457842 (0xFF9CAC72)
YUV	160.6040, -22.9758, -4.0377
Hunter-Lab	61.4719, -16.1068, 22.2422

Details

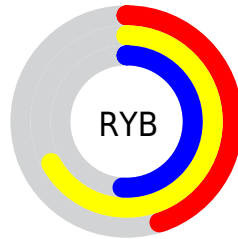
The XYZ color **31.5001, 37.7879, 21.5531** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.6711, 19.7600, 41.6511**, and the grayscale version is **33.7936, 35.5535, 38.7177**.

A 20% lighter version of the original color is **61.2160, 71.5402, 46.6586**, and **13.3795, 16.7577, 7.5304** is the 20% darker color. If you saturate the color by 10%, you get **29.7115, 36.9697, 16.8306**, and if you desaturate by 10%, it is **33.5106, 38.7016, 27.2486**.

Distribution



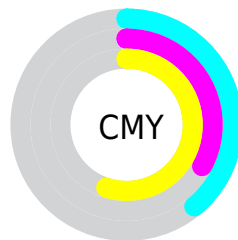
- Red (61%)
- Green (67%)
- Blue (45%)



- Red (45%)
- Yellow (67%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (33%)



- Cyan (39%)
- Magenta (33%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5001, 37.7879, 21.5531 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 31.5001, 37.7879, 21.5531 by changing the saturation by 10% instead.

■ 31.5001, 37.7879,
21.5531

■ 31.5001, 37.7879,
21.5531

300.6216,
336.7092, 273.0804

■ 21.1336, 25.8181,
13.3337

■ 61.3971, 71.7829,
46.8989

■ 13.3347, 16.6876,
7.5253

■ 81.6583, 94.5770,
64.8625

■ 7.7380, 10.0120,
3.7094

■ 105.9485,
121.7479, 86.9111

■ 3.9782, 5.4069,
1.4673

■ 134.6331,
153.6800, 113.4635

■ 1.6898, 2.4879,
0.1934

168.0773,
190.7579, 144.9380

■ 0.4499, 0.8706,
0.0000

206.6465,

■ 0.0000, 0.0000,

233.3657, 181.7534

0.0000

250.7062,
281.8881, 224.3280

■ 31.5001, 37.7879,
21.5531

■ 31.5001, 37.7879,
21.5531

■ 29.7115, 36.9697,
16.8306

■ 33.5106, 38.7016,
27.2486

■ 28.1313, 36.2377,
13.0242

■ 35.7502, 39.7098,
33.9648

■ 26.7485, 35.5887,
10.0747

■ 38.2290, 40.8179,
41.7495

■ 25.5501, 35.0175,
7.9153

■ 40.9557, 42.0295,
50.6464

■ 24.5210, 34.5179,
6.4688

■ 43.9387, 43.3479,
60.6971

■ 23.6434, 34.0828,
5.6430

■ 47.1857, 44.7763,
71.9407

■ 23.1445, 33.8325,
5.3105

■ 50.7041, 46.3177,
84.4148

■ 54.5013, 47.9750,
98.1552

■ 56.2806, 48.8296,
101.0665

Harmonies

Analogous

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



36.1017, 37.7879, 19.4207



31.5001, 37.7879, 21.5531



28.3492, 37.7879, 28.5759

Triad

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



31.5001, 37.7879, 21.5531



31.2072, 37.7879, 69.2627



46.3282, 37.7879, 41.6772

Complementary

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



31.5001, 37.7879, 21.5531



22.6711, 19.7600, 41.6511

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.



44.7226, 37.7879, 56.9452



31.5001, 37.7879, 21.5531



35.7314, 37.7879, 74.9688

Square

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



31.5001, 37.7879, 21.5531



28.1914, 37.7879, 55.8121



40.7270, 37.7879, 70.0158



44.9373, 37.7879, 29.3023

Rectangle

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



31.5001, 37.7879, 21.5531



27.3417, 37.7879, 36.0986



40.7270, 37.7879, 70.0158



46.1187, 37.7879, 46.6402

Sweetspot

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



31.5011, 37.7896, 21.5539



66.3950, 72.7265, 66.3905



27.9637, 25.8104, 19.4281



14.2993, 15.7470, 14.0241



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.



31.5011, 37.7896, 21.5539



54.8328, 67.4947, 32.9268



26.6231, 35.2749, 21.3256



8.4439, 9.2175, 8.5475



17.2774, 25.2039, 3.9542



0.5298, 0.7265, 0.1123

Inverse Universe

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



22.6711, 19.7600, 41.6511



36.5015, 30.0438, 74.6810



27.6576, 22.3306, 41.8844



7.7786, 7.8602, 10.0599



6.4763, 2.6985, 29.2240



0.2334, 0.1025, 0.8155

Previews

White Background



This preview shows how the XYZ color 31.5001, 37.7879, 21.5531 looks on a white background.

Color Contrast Check

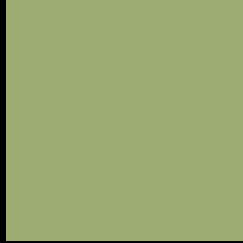
Large Text (above 18pt) WCAG AA × Fail

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 31.5001, 37.7879, 21.5531 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 31.5001, 37.7879, 21.5531

Background



This preview shows how black text looks on a background with the XYZ color 31.5001, 37.7879, 21.5531.



This preview shows how white text looks on a background with the XYZ color 31.5001, 37.7879,

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

31.5001, 37.7879, 21.5531

Protanopia

34.9148, 37.6417, 20.4643

Deuteranopia

38.2027, 37.4738, 22.0493



Tritanopia

36.5211, 37.6178, 46.9311

Trichromacy



Original Color

31.5001, 37.7879, 21.5531

Protanomaly

33.7218, 37.8330, 20.8544

Deuteranomaly

35.3056, 37.2791, 21.8578

Tritanomaly

34.3494, 37.5476, 36.0089

Monochromacy



Original Color

31.5001, 37.7879, 21.5531

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7873, 36.2948, 31.6631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5001, 37.7879, 21.5531 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(156, 172, 114)` looks like.

```
.text, #text, p{  
    color:rgb(156, 172, 114)  
}
```

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(156, 172, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 172, 114) }
```

Border

The CSS property to change the border of an element to XYZ 31.5001, 37.7879, 21.5531 is called "border". The border property can be set on classes, ids or directly on the HTML element.

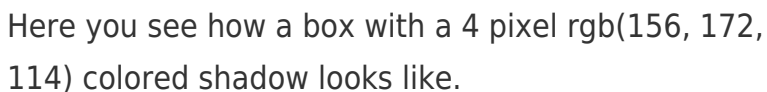
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 172, 114) }
```


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

```
.border{ border-color:rgb(156, 172, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 172, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 172, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 172, 114);  
box-shadow:4px 4px 4px 4px rgb(156, 172,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5001, 37.7879, 21.5531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 172, 114) }
```

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

```
.background{ background-color: rgb(156,  
172, 114) }
```

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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