

Converting Colors

XYZ(31.5317, 37.4268, 23.8602)

Have a look what the booklet for
XYZ(31.5317, 37.4268, 23.8602)
contains.

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Color

**XYZ(31.5933, 37.4995,
23.9853)**

Conversions

Conversions Part 1

Format	Color
Hex	9BAB7A
RGB	155, 171, 122
RGB Percent	61%, 67%, 48%
CMY	0.3922, 0.3294, 0.5216
CMYK	0.09, 0.00, 0.29, 0.33
HSL	80°, 23%, 57%
HSV	80°, 29%, 67%
XYZ	31.5933, 37.4995, 23.9853
YIQ	160.6300, 6.1930, -18.6310

Conversions

Conversions Part 2

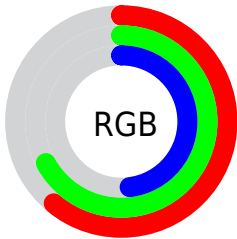
Format	Color
RYB	122, 171, 138
Decimal	10201978
CIELab	67.65, -14.21, 23.44
CIELCh	68, 27.405, 121.221
Yxy	37.4995, 0.3394, 0.4029
Android (android.graphics.Color)	4288392058 (0xFF9BAB7A)
YUV	160.6300, -19.0446, -4.9375
Hunter-Lab	61.2368, -15.0728, 19.6430

Details

The XYZ color **31.5933, 37.4995, 23.9853** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.7929, 22.2636, 41.5207**, and the grayscale version is **33.7889, 35.5485, 38.7124**.

A 20% lighter version of the original color is **61.5126, 71.1895, 51.0563**, and **13.3929, 16.5583, 8.7935** is the 20% darker color. If you saturate the color by 10%, you get **29.5788, 36.5740, 18.8385**, and if you desaturate by 10%, it is **33.8458, 38.5285, 30.1180**.

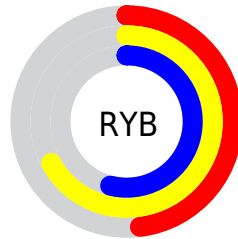
Distribution



Red (61%)

Green (67%)

Blue (48%)



Red (48%)

Yellow (67%)

Blue (54%)

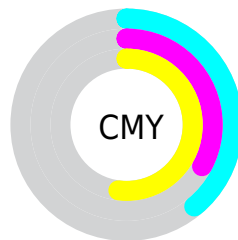


Cyan (9%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (39%)

Magenta (33%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5933, 37.4995, 23.9853 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 31.5933, 37.4995, 23.9853 by changing the saturation by 10% instead.

■ 31.5933, 37.4995,
23.9853

■ 31.5933, 37.4995,
23.9853

301.0407,
335.4681, 286.0303

■ 21.2051, 25.5945,
15.1106

■ 61.5425, 71.3404,
50.9497

■ 13.3873, 16.5205,
8.7496

■ 81.8341, 94.0450,
69.8766

■ 7.7746, 9.8932,
4.4836

■ 106.1577,
121.1182, 92.9912

■ 4.0017, 5.3282,
1.8942

134.8784,
152.9445, 120.7122

■ 1.7031, 2.4411,
0.4891

168.3618,
189.9083, 153.4581

■ 0.4582, 0.8469,
0.0000

206.9730,

■ 0.0000, 0.0000,

232.3938, 191.6473

0.0000

251.0775,
280.7856, 235.6986

■ 31.5933, 37.4995,
23.9853

■ 31.5933, 37.4995,
23.9853

■ 29.5788, 36.5740,
18.8385

■ 33.8458, 38.5285,
30.1180

■ 27.7889, 35.7427,
14.6237

■ 36.3431, 39.6599,
37.2820

■ 26.2134, 35.0027,
11.2855

■ 39.0954, 40.8992,
45.5227

■ 24.8396, 34.3490,
8.7618

■ 42.1110, 42.2498,
54.8821

■ 23.6535, 33.7757,
6.9820

■ 45.3984, 43.7151,
65.3999

■ 22.6388, 33.2763,
5.8639

■ 48.9651, 45.2982,
77.1140

■ 21.7663, 32.8390,
5.2574

■ 52.8187, 47.0022,
90.0603

■ 21.6544, 32.7828,
5.1864

■ 56.3475, 48.5826,
101.0153

■ 57.8634, 49.3641,
101.0862

Harmonies

Analogous

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



35.4692, 37.4995, 21.7012



31.5933, 37.4995, 23.9853



28.9829, 37.4995, 30.6189

Triad

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



31.5933, 37.4995, 23.9853



31.8709, 37.4995, 64.8174



44.4005, 37.4995, 40.3365

Complementary

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



31.5933, 37.4995, 23.9853



24.7929, 22.2636, 41.5207

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.



43.2505, 37.4995, 53.0924



31.5933, 37.4995, 23.9853



35.8156, 37.4995, 68.8014

Square

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



31.5933, 37.4995, 23.9853



29.1340, 37.4995, 54.1226



40.0229, 37.4995, 64.1447



43.0538, 37.4995, 29.9152

Rectangle

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



31.5933, 37.4995, 23.9853



28.1985, 37.4995, 37.3803



40.0229, 37.4995, 64.1447



44.2925, 37.4995, 44.4869

Sweetspot

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



31.5943, 37.5012, 23.9861



64.8494, 70.9186, 66.0756



29.3281, 28.1028, 22.2915



14.3146, 15.7486, 14.3059



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.



31.5943, 37.5012, 23.9861



54.3850, 66.1508, 37.2681



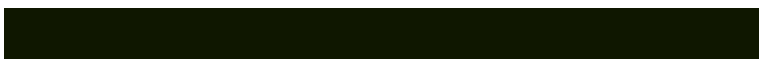
27.4344, 35.3567, 23.7914



8.4046, 9.1972, 8.5456



16.3804, 24.7415, 3.9122



0.5099, 0.7162, 0.1114

Inverse Universe

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



24.7929, 22.2636, 41.5207



40.3153, 34.6179, 73.5589



29.2152, 24.5434, 41.7277



7.8161, 7.8795, 10.0616



6.8145, 2.8729, 29.2399



0.2480, 0.1100, 0.8162

Previews

White Background



This preview shows how the XYZ color 31.5933, 37.4995, 23.9853 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 31.5933, 37.4995, 23.9853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

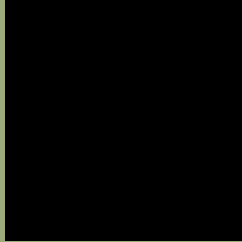
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5933, 37.4995, 23.9853

Background



This preview shows how black text looks on a background with the XYZ color 31.5933, 37.4995, 23.9853.



This preview shows how white text looks on a background with the XYZ color 31.5933, 37.4995,

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

31.5933, 37.4995, 23.9853

Protanopia

34.7367, 37.2299, 22.8080

Deuteranopia

38.1767, 37.4037, 24.6095



Tritanopia

36.3155, 37.5118, 46.9214

Trichromacy



Original Color

31.5933, 37.4995, 23.9853

Protanomaly

33.5711, 37.4285, 23.2243

Deuteranomaly

35.5577, 37.3529, 24.4045

Tritanomaly

34.4017, 37.5453, 37.3321

Monochromacy



Original Color

31.5933, 37.4995, 23.9853

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.0197, 36.3878, 32.8870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5933, 37.4995, 23.9853 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(155, 171, 122)` looks like.

```
.text, #text, p{  
    color:rgb(155, 171, 122)  
}
```

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(155, 171, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 171, 122) }
```

Border

The CSS property to change the border of an element to XYZ 31.5933, 37.4995, 23.9853 is called "border". The border property can be set on classes, ids or directly on the HTML element.

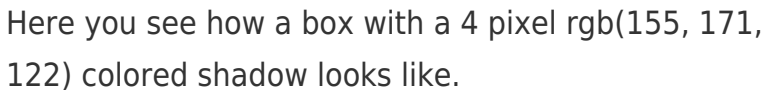
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 171, 122) }
```


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

```
.border{ border-color:rgb(155, 171, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 171, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 171, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 171, 122); box-shadow:4px 4px 4px 4px rgb(155, 171, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5933, 37.4995, 23.9853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 171, 122) }
```

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

```
.background{ background-color: rgb(155,  
171, 122) }
```

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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