

Converting Colors

XYZ(31.9940, 37.7274, 23.0496)

Have a look what the booklet for
XYZ(31.9940, 37.7274, 23.0496)
contains.

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Color

**XYZ(31.9932, 37.7268,
23.0485)**

Conversions

Conversions Part 1

Format	Color
Hex	9EAB77
RGB	158, 171, 119
RGB Percent	62%, 67%, 47%
CMY	0.3804, 0.3294, 0.5333
CMYK	0.08, 0.00, 0.30, 0.33
HSL	75°, 24%, 57%
HSV	75°, 30%, 67%
XYZ	31.9932, 37.7268, 23.0485
YIQ	161.1850, 8.9440, -18.9280

Conversions

Conversions Part 2

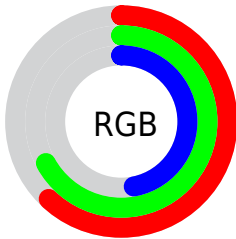
Format	Color
RYB	119, 171, 132
Decimal	10398583
CIELab	67.82, -13.48, 25.32
CIElCh	68, 28.684, 118.025
Yxy	37.7268, 0.3449, 0.4067
Android (android.graphics.Color)	4288588663 (0xFF9EAB77)
YUV	161.1850, -20.7972, -2.7932
Hunter-Lab	61.4221, -14.5127, 20.7471

Details

The XYZ color **31.9932, 37.7268, 23.0485** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.4647, 21.0404, 41.3547**, and the grayscale version is **34.0539, 35.8273, 39.0160**.

A 20% lighter version of the original color is **62.0833, 71.5174, 49.5618**, and **13.6462, 16.7000, 8.2985** is the 20% darker color. If you saturate the color by 10%, you get **30.2310, 36.9277, 18.0791**, and if you desaturate by 10%, it is **33.9714, 38.6182, 28.9942**.

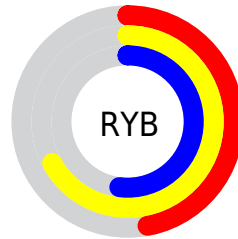
Distribution



Red (62%)

Green (67%)

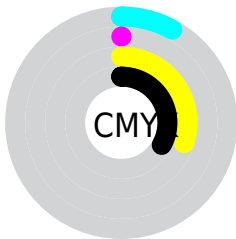
Blue (47%)



Red (47%)

Yellow (67%)

Blue (52%)

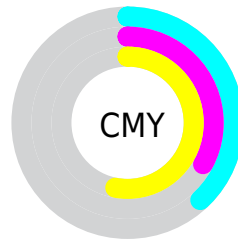


Cyan (8%)

Magenta (0%)

Yellow (30%)

Black (33%)



Cyan (38%)

Magenta (33%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9932, 37.7268, 23.0485 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 31.9932, 37.7268, 23.0485 by changing the saturation by 10% instead.

■ 31.9932, 37.7268,
23.0485

■ 31.9932, 37.7268,
23.0485

302.8341,
336.4466, 281.1040

■ 21.5118, 25.7707,
14.4237

■ 62.1657, 71.6892,
49.3972

■ 13.6132, 16.6522,
8.2738

■ 82.5875, 94.4643,
67.9581

■ 7.9321, 9.9868,
4.1804

■ 107.0536,
121.6146, 90.6681

■ 4.1029, 5.3902,
1.7248

135.9291,
153.5243, 117.9458

■ 1.7605, 2.4780,
0.3777

169.5796,
190.5780, 150.2097

■ 0.4937, 0.8656,
0.0000

208.3704,

■ 0.0000, 0.0000,

233.1600, 187.8783

0.0000

252.6668,
281.6547, 231.3703

■ 31.9932, 37.7268,
23.0485

■ 31.9932, 37.7268,
23.0485

■ 30.2310, 36.9277,
18.0791

■ 33.9714, 38.6182,
28.9942

■ 28.6718, 36.2119,
14.0313

■ 36.1722, 39.6008,
35.9620

■ 27.3053, 35.5765,
10.8488

■ 38.6054, 40.6799,
43.9979

■ 26.1192, 35.0165,
8.4681

■ 41.2794, 41.8587,
53.1442

■ 25.0995, 34.5263,
6.8171

■ 44.2019, 43.1404,
63.4412

■ 24.2297, 34.0993,
5.8108

■ 47.3807, 44.5282,
74.9269

■ 23.5023, 33.7354,
5.2729

■ 50.8227, 46.0249,
87.6377

■ 54.4051, 47.5813,
100.9244

■ 55.5053, 48.1484,
100.9759

Harmonies

Analogous

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



36.1534, 37.7268, 21.1613



31.9932, 37.7268, 23.0485



29.0904, 37.7268, 29.4391

Triad

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



31.9932, 37.7268, 23.0485



31.5230, 37.7268, 65.5161



45.0889, 37.7268, 41.9270

Complementary

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



31.9932, 37.7268, 23.0485



23.4647, 21.0404, 41.3547

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.



43.6019, 37.7268, 55.4399



31.9932, 37.7268, 23.0485



35.5646, 37.7268, 70.6929

Square

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



31.9932, 37.7268, 23.0485



28.8350, 37.7268, 53.6755



40.0226, 37.7268, 66.6737



43.9381, 37.7268, 30.6241

Rectangle

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



31.9932, 37.7268, 23.0485



28.1355, 37.7268, 36.2091



40.0226, 37.7268, 66.6737



44.8786, 37.7268, 46.3651

Sweetspot

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



31.9942, 37.7285, 23.0493



65.3011, 71.1515, 66.0967



28.3769, 26.4935, 21.0714



14.4303, 15.8083, 14.3113



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.



31.9942, 37.7285, 23.0493



55.2870, 66.6550, 35.5367



27.4096, 35.3651, 22.8348



8.4641, 9.2279, 8.5484



17.7662, 25.4559, 3.9771



0.5404, 0.7319, 0.1128

Inverse Universe

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



23.4647, 21.0404, 41.3547



37.7266, 32.2839, 73.2449



28.0493, 23.4039, 41.5692



7.7596, 7.8504, 10.0590



6.3268, 2.6215, 29.2170



0.2260, 0.0987, 0.8151

Previews

White Background



This preview shows how the XYZ color 31.9932, 37.7268, 23.0485 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 31.9932, 37.7268, 23.0485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

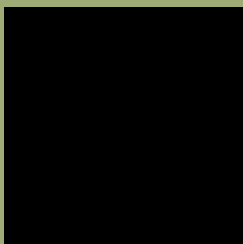
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

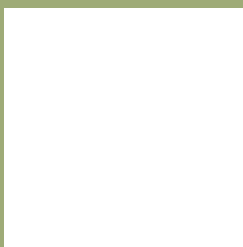
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9932, 37.7268, 23.0485

Background



This preview shows how black text looks on a background with the XYZ color 31.9932, 37.7268, 23.0485.



This preview shows how white text looks on a background with the XYZ color 31.9932, 37.7268,

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

31.9932, 37.7268, 23.0485

Protanopia

34.9676, 37.6362, 21.9445

Deuteranopia

38.2454, 37.4610, 23.6273



Tritanopia

36.9372, 37.8322, 46.9505

Trichromacy



Original Color

31.9932, 37.7268, 23.0485

Protanomaly

33.8242, 37.5797, 22.3005

Deuteranomaly

35.8398, 37.5199, 23.4423

Tritanomaly

34.9237, 37.8243, 36.9126

Monochromacy



Original Color

31.9932, 37.7268, 23.0485

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.1406, 36.4592, 32.4848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9932, 37.7268, 23.0485 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(158, 171, 119)` looks like.

```
.text, #text, p{  
    color:rgb(158, 171, 119)  
}
```

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(158, 171, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 171, 119) }
```

Border

The CSS property to change the border of an element to XYZ 31.9932, 37.7268, 23.0485 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(158, 171, 119) }
```


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

```
.border{ border-color:rgb(158, 171, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 171, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 171, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 171, 119);  
box-shadow:4px 4px 4px 4px rgb(158, 171,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9932, 37.7268, 23.0485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 171, 119) }
```

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

```
.background{ background-color: rgb(158,  
171, 119) }
```

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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