

Converting Colors

XYZ(31.4282, 37.9461, 23.0867)

Have a look what the booklet for
XYZ(31.4282, 37.9461, 23.0867)
contains.

XYZ(31.4102, 37.9914, 23.1303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4102, 37.9914,
23.1303)**

Conversions

Conversions Part 1

Format	Color
Hex	99AD77
RGB	153, 173, 119
RGB Percent	60%, 68%, 47%
CMY	0.4000, 0.3216, 0.5333
CMYK	0.12, 0.00, 0.31, 0.32
HSL	82°, 25%, 57%
HSV	82°, 31%, 68%
XYZ	31.4102, 37.9914, 23.1303
YIQ	160.8640, 5.4140, -21.0340

Conversions

Conversions Part 2

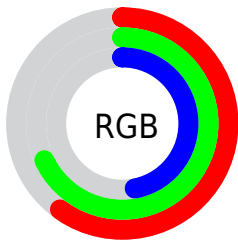
Format	Color
RYB	119, 173, 139
Decimal	10071415
CIELab	68.01, -16.45, 25.52
CIELCh	68, 30.357, 122.802
Yxy	37.9914, 0.3395, 0.4106
Android (android.graphics.Color)	4288261495 (0xFF99AD77)
YUV	160.8640, -20.6390, -6.8967
Hunter-Lab	61.6372, -16.9017, 20.8965

Details

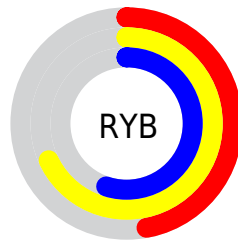
The XYZ color **31.4102, 37.9914, 23.1303** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.7887, 21.7008, 42.4195**, and the grayscale version is **33.9050, 35.6707, 38.8454**.

A 20% lighter version of the original color is **61.2022, 71.8753, 49.6773**, and **13.3097, 16.8836, 8.3517** is the 20% darker color. If you saturate the color by 10%, you get **29.2874, 37.0075, 18.0924**, and if you desaturate by 10%, it is **33.7891, 39.0878, 29.1691**.

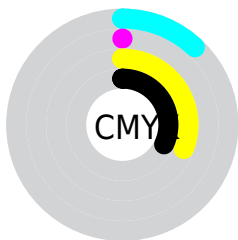
Distribution



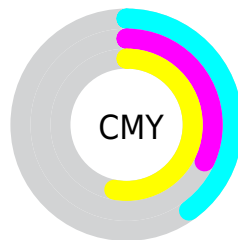
- Red (60%)
- Green (68%)
- Blue (47%)



- Red (47%)
- Yellow (68%)
- Blue (55%)



- Cyan (12%)
- Magenta (0%)
- Yellow (31%)
- Black (32%)





- Cyan (40%)
- Magenta (32%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4102, 37.9914, 23.1303 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 31.4102, 37.9914, 23.1303 by changing the saturation by 10% instead.


 31.4102, 37.9914,
23.1303


 31.4102, 37.9914,
23.1303


300.2169,
337.5831, 281.5371


 21.0648, 25.9760,
14.4835


 61.2568, 72.0950,
49.5331

 13.2841, 16.8057,
8.3152


 81.4886, 94.9519,
68.1262

 7.7028, 10.0961,
4.2066

 105.7466,
122.1915, 90.8719

 3.9556, 5.4627,
1.7394

134.3962,
154.1982, 118.1886

 1.6770, 2.5212,
0.3875

167.8027,
191.3563, 150.4950

 0.4418, 0.8872,
0.0000

206.3314,

 0.0000, 0.0000,

234.0502, 188.2095

0.0000

250.3477,
282.6643, 231.7507

■ 31.4102, 37.9914,
23.1303

■ 31.4102, 37.9914,
23.1303

■ 29.2874, 37.0075,
18.0924

■ 33.7891, 39.0878,
29.1691

■ 27.4065, 36.1266,
13.9987

■ 36.4317, 40.2959,
36.2563

■ 25.7561, 35.3451,
10.7908

■ 39.3487, 41.6216,
44.4394

■ 24.3228, 34.6575,
8.4026

■ 42.5495, 43.0686,
53.7624

■ 23.0911, 34.0577,
6.7591

■ 46.0427, 44.6406,
64.2667

■ 22.0431, 33.5382,
5.7711

■ 49.8369, 46.3410,
75.9917

■ 21.2411, 33.1348,
5.2761

■ 53.9400, 48.1731,
88.9750

■ 57.9700, 49.9842,
101.2003

■ 59.7660, 50.9101,
101.2844

Harmonies

Analogous

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



35.6676, 37.9914, 20.4478



31.4102, 37.9914, 23.1303



28.6200, 37.9914, 30.5812

Triad

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



31.4102, 37.9914, 23.1303



32.1160, 37.9914, 69.0777



45.9605, 37.9914, 40.1079

Complementary

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



31.4102, 37.9914, 23.1303



24.7887, 21.7008, 42.4195

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.



44.8038, 37.9914, 54.4285



31.4102, 37.9914, 23.1303



36.5554, 37.9914, 73.1594

Square

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



31.4102, 37.9914, 23.1303



29.0018, 37.9914, 57.1154



41.2560, 37.9914, 67.3038



44.2933, 37.9914, 28.8161

Rectangle

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



31.4102, 37.9914, 23.1303



27.8287, 37.9914, 38.1922



41.2560, 37.9914, 67.3038



45.8893, 37.9914, 44.7114

Sweetspot

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



31.4112, 37.9931, 23.1311



66.2780, 72.6353, 67.7819



29.7685, 28.6248, 21.4094



14.2489, 15.7148, 14.3028



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.



31.4112, 37.9931, 23.1311



53.7556, 66.8830, 35.4212



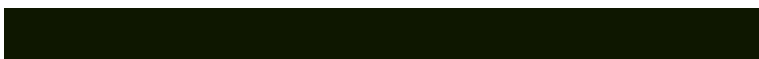
26.9083, 35.6717, 22.9204



8.3707, 9.1797, 8.5440



15.6685, 24.3745, 3.8789



0.4935, 0.7078, 0.1106

Inverse Universe

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



24.7887, 21.7008, 42.4195



40.1301, 33.3483, 75.1276



29.8251, 24.2971, 42.6552



7.8487, 7.8963, 10.0632



7.1572, 3.0496, 29.2559



0.2606, 0.1165, 0.8167

Previews

White Background



This preview shows how the XYZ color 31.4102, 37.9914, 23.1303 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 31.4102, 37.9914, 23.1303 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

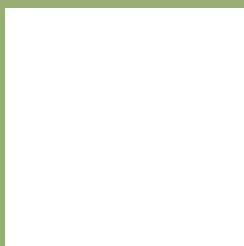
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4102, 37.9914, 23.1303

Background



This preview shows how black text looks on a background with the XYZ color 31.4102, 37.9914, 23.1303.



This preview shows how white text looks on a background with the XYZ color 31.4102, 37.9914,

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

31.4102, 37.9914, 23.1303

Protanopia

35.1979, 37.7549, 21.9553

Deuteranopia

38.6759, 37.9372, 23.6965



Tritanopia

36.2898, 37.7420, 48.0201

Trichromacy



Original Color

31.4102, 37.9914, 23.1303

Protanomaly

33.7911, 37.8357, 22.3517

Deuteranomaly

35.5490, 37.6347, 23.4797

Tritanomaly

34.1890, 37.7087, 37.3748

Monochromacy



Original Color

31.4102, 37.9914, 23.1303

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7440, 36.2547, 32.4662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4102, 37.9914, 23.1303 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(153, 173, 119)` looks like.

```
.text, #text, p{  
    color:rgb(153, 173, 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(153, 173, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 173, 119) }
```

Border

The CSS property to change the border of an element to XYZ 31.4102, 37.9914, 23.1303 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(153, 173, 119) }
```


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

```
.border{ border-color:rgb(153, 173, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 173, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 173, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 173, 119);  
box-shadow:4px 4px 4px 4px rgb(153, 173,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4102, 37.9914, 23.1303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 173, 119) }
```

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

```
.background{ background-color: rgb(153,  
173, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor