

Converting Colors

XYZ(31.4380, 37.4915, 20.8274)

Have a look what the booklet for
XYZ(31.4380, 37.4915, 20.8274)
contains.

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Color

**XYZ(31.3922, 37.4638,
20.9059)**

Conversions

Conversions Part 1

Format	Color
Hex	9DAB70
RGB	157, 171, 112
RGB Percent	62%, 67%, 44%
CMY	0.3843, 0.3294, 0.5608
CMYK	0.08, 0.00, 0.35, 0.33
HSL	74°, 26%, 55%
HSV	74°, 35%, 67%
XYZ	31.3922, 37.4638, 20.9059
YIQ	160.0880, 10.5950, -21.3170

Conversions

Conversions Part 2

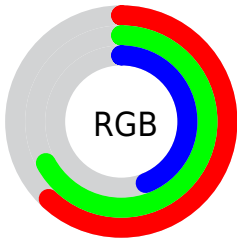
Format	Color
RYB	112, 171, 126
Decimal	10333040
CIELab	67.62, -14.83, 28.80
CIELCh	68, 32.391, 117.243
Yxy	37.4638, 0.3497, 0.4174
Android (android.graphics.Color)	4288523120 (0xFF9DAB70)
YUV	160.0880, -23.7074, -2.7082
Hunter-Lab	61.2077, -15.5643, 22.5945

Details

The XYZ color **31.3922, 37.4638, 20.9059** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.7505, 18.9652, 41.0445**, and the grayscale version is **33.5575, 35.3051, 38.4473**.

A 20% lighter version of the original color is **61.0486, 71.0701, 45.6223**, and **13.3197, 16.5558, 7.1962** is the 20% darker color. If you saturate the color by 10%, you get **29.7507, 36.7185, 16.3223**, and if you desaturate by 10%, it is **33.2428, 38.2983, 26.4447**.

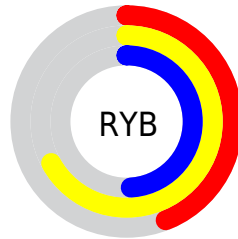
Distribution



Red (62%)

Green (67%)

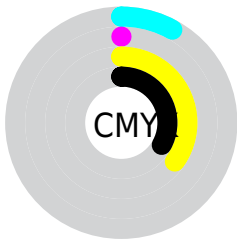
Blue (44%)



Red (44%)

Yellow (67%)

Blue (49%)

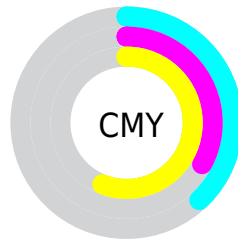


Cyan (8%)

Magenta (0%)

Yellow (35%)

Black (33%)



Cyan (38%)


Magenta (33%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3922, 37.4638, 20.9059 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 31.3922, 37.4638, 20.9059 by changing the saturation by 10% instead.


 31.3922, 37.4638,
20.9059


 31.3922, 37.4638,
20.9059


300.1358,
335.3142, 269.5426

 21.0510, 25.5668,
12.8647


 61.2287, 71.2855,
45.8096


 13.2739, 16.4998,
7.2058


 81.4546, 93.9791,
63.5092

 7.6957, 9.8785,
3.5107


 105.7062,
121.0402, 85.2653

 3.9510, 5.3185,
1.3610

 134.3488,
152.8534, 111.4965

 1.6745, 2.4353,
0.1110

167.7477,
189.8030, 142.6212

 0.4402, 0.8440,
0.0000

206.2682,

 0.0000, 0.0000,

232.2734, 179.0582

0.0000

250.2758,
280.6490, 221.2258

■ 31.3922, 37.4638,
20.9059

■ 31.3922, 37.4638,
20.9059

■ 29.7507, 36.7185,
16.3223

■ 33.2428, 38.2983,
26.4447

■ 28.3048, 36.0532,
12.6375

■ 35.3094, 39.2210,
32.9862

■ 27.0441, 35.4649,
9.7927


■ 37.6018, 40.2372,
40.5776


■ 25.9555, 34.9485,
7.7214


■ 40.1287, 41.3503,
49.2622


■ 25.0243, 34.4979,
6.3467


■ 42.8981, 42.5635,
59.0811


 24.2326, 34.1060,
5.5758

 45.9175, 43.8798,
70.0733

 23.8338, 33.9063,
5.2884

 49.1942, 45.3024,
82.2756

 52.7352, 46.8339,
95.7237

 54.7410, 47.7545,
100.9401

Harmonies

Analogous

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



36.0720, 37.4638, 19.0322



31.3922, 37.4638, 20.9059



28.1300, 37.4638, 27.6510

Triad

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



31.3922, 37.4638, 20.9059



30.6625, 37.4638, 68.5553



46.0831, 37.4638, 42.1286

Complementary

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



31.3922, 37.4638, 20.9059



21.7505, 18.9652, 41.0445

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.



44.3066, 37.4638, 57.5490



31.3922, 37.4638, 20.9059



35.1484, 37.4638, 74.8754

Square

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



31.3922, 37.4638, 20.9059



27.7372, 37.4638, 54.7153



40.1858, 37.4638, 70.4419



44.8430, 37.4638, 29.4566

Rectangle

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



31.3922, 37.4638, 20.9059



27.0422, 37.4638, 35.0169



40.1858, 37.4638, 70.4419



45.8154, 37.4638, 47.1689

Sweetspot

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



31.3931, 37.4655, 20.9067



64.9596, 71.0055, 64.7202



27.1516, 24.6910, 18.6645



14.3630, 15.7798, 14.0271



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.



31.3931, 37.4655, 20.9067



54.0602, 66.1141, 31.3462



26.3508, 34.8661, 20.6707



8.4741, 9.2330, 8.5489



18.0146, 25.5839, 3.9887



0.5457, 0.7347, 0.1130

Inverse Universe

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



21.7505, 18.9652, 41.0445



34.3054, 28.1912, 72.6352



26.7150, 21.5245, 41.2768



7.7503, 7.8456, 10.0586



6.2588, 2.5864, 29.2139



0.2223, 0.0968, 0.8150

Previews

White Background



This preview shows how the XYZ color 31.3922, 37.4638, 20.9059 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 31.3922, 37.4638, 20.9059 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

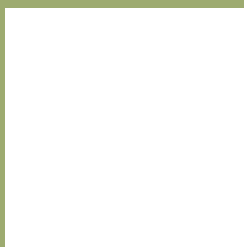
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3922, 37.4638, 20.9059

Background



This preview shows how black text looks on a background with the XYZ color 31.3922, 37.4638, 20.9059.



This preview shows how white text looks on a background with the XYZ color 31.3922, 37.4638,

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

31.3922, 37.4638, 20.9059

Protanopia

34.3959, 37.1200, 19.8200

Deuteranopia

37.9164, 37.0875, 21.3798



Tritanopia

36.4507, 37.3283, 46.3582

Trichromacy



Original Color

31.3922, 37.4638, 20.9059

Protanomaly

33.2108, 37.3093, 20.2029

Deuteranomaly

35.2490, 37.0006, 21.2036

Tritanomaly

34.2863, 37.2537, 35.5206

Monochromacy



Original Color

31.3922, 37.4638, 20.9059

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.5315, 35.9050, 31.2024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3922, 37.4638, 20.9059 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(157, 171, 112)` looks like.

```
.text, #text, p{  
    color:rgb(157, 171, 112)  
}
```

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(157, 171, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 171, 112) }
```

Border

The CSS property to change the border of an element to XYZ 31.3922, 37.4638, 20.9059 is called "border". The border property can be set on classes, ids or directly on the HTML element.

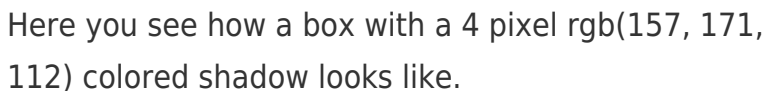
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 171, 112) }
```


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

```
.border{ border-color:rgb(157, 171, 112) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 171, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 171, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 171, 112); box-shadow:4px 4px 4px 4px rgb(157, 171, 112) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3922, 37.4638, 20.9059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 171, 112) }
```

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

```
.background{ background-color: rgb(157,  
171, 112) }
```

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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