

Converting Colors

XYZ(31.2879, 37.6144, 19.6055)

Have a look what the booklet for
XYZ(31.2879, 37.6144, 19.6055)
contains.

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Color

**XYZ(31.3110, 37.7347,
19.5432)**

Conversions

Conversions Part 1

Format	Color
Hex	9DAC6B
RGB	157, 172, 107
RGB Percent	62%, 67%, 42%
CMY	0.3843, 0.3255, 0.5804
CMYK	0.09, 0.00, 0.38, 0.33
HSL	74°, 28%, 55%
HSV	74°, 38%, 67%
XYZ	31.3110, 37.7347, 19.5432
YIQ	160.1050, 11.9250, -23.3950

Conversions

Conversions Part 2

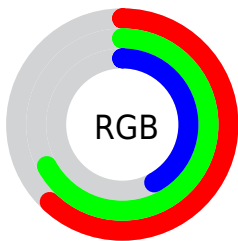
Format	Color
RYB	107, 172, 122
Decimal	10333291
CIELab	67.82, -15.99, 31.71
CIELCh	68, 35.513, 116.764
Yxy	37.7347, 0.3534, 0.4260
Android (android.graphics.Color)	4288523371 (0xFF9DAC6B)
YUV	160.1050, -26.1808, -2.7231
Hunter-Lab	61.4286, -16.5161, 24.1372

Details

The XYZ color **31.3110, 37.7347, 19.5432** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.7316, 17.6326, 41.3427**, and the grayscale version is **33.5760, 35.3245, 38.4684**.

A 20% lighter version of the original color is **60.8785, 71.4384, 43.3812**, and **13.3059, 16.7417, 6.5332** is the 20% darker color. If you saturate the color by 10%, you get **29.7329, 37.0167, 15.2065**, and if you desaturate by 10%, it is **33.0962, 38.5411, 24.8308**.

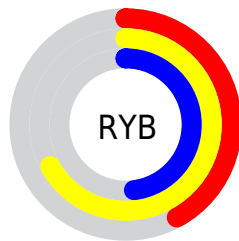
Distribution



Red (62%)

Green (67%)

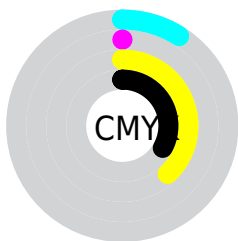
Blue (42%)



Red (42%)

Yellow (67%)

Blue (48%)

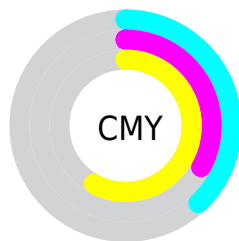


Cyan (9%)

Magenta (0%)

Yellow (38%)

Black (33%)



Cyan (38%)

Magenta (33%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3110, 37.7347, 19.5432 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 31.3110, 37.7347, 19.5432 by changing the saturation by 10% instead.

31.3110, 37.7347,
19.5432

31.3110, 37.7347,
19.5432

299.7699,
336.4805, 261.9533

20.9888, 25.7768,
11.8827

61.1019, 71.7013,
43.4988

13.2282, 16.6568,
6.5423

81.3013, 94.4789,
60.6310

7.6640, 9.9901,
3.1035

105.5237,
121.6318, 81.7575

3.9307, 5.3924,
1.1477

134.1347,
153.5445, 107.2968

1.6630, 2.4793,
0.0000

167.4994,
190.6013, 137.6675

0.4329, 0.8662,
0.0000

205.9832,

0.0000, 0.0000,

233.1866, 173.2881

0.0000

249.9516,
281.6849, 214.5772

■ 31.3110, 37.7347,
19.5432

■ 31.3110, 37.7347,
19.5432

■ 29.7329, 37.0167,
15.2065

■ 33.0962, 38.5411,
24.8308

■ 28.3480, 36.3776,
11.7617

■ 35.0958, 39.4348,
31.1187

■ 27.1454, 35.8142,
9.1471


■ 37.3201, 40.4213,
38.4558


■ 26.1112, 35.3211,
7.2922


■ 39.7778, 41.5042,
46.8872


■ 25.2296, 34.8918,
6.1145


■ 42.4771, 42.6868,
56.4551

 24.4752, 34.5161,
5.4814

 45.4260, 43.9723,
67.1998

 24.3162, 34.4366,
5.3653

 48.6320, 45.3636,
79.1593

 52.1020, 46.8637,
92.3703

 54.7276, 48.0291,
100.9938

Harmonies

Analogous

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



36.4659, 37.7347, 17.6594



31.3110, 37.7347, 19.5432



27.7274, 37.7347, 26.6219

Triad

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



31.3110, 37.7347, 19.5432



30.3761, 37.7347, 71.9831



47.4943, 37.7347, 42.8200

Complementary

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



31.3110, 37.7347, 19.5432



20.7316, 17.6326, 41.3427

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.



45.4584, 37.7347, 60.0226



31.3110, 37.7347, 19.5432



35.2721, 37.7347, 79.3509

Square

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



31.3110, 37.7347, 19.5432



27.2276, 37.7347, 56.2906



40.8420, 37.7347, 74.4961



46.1611, 37.7347, 28.9011

Rectangle

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



31.3110, 37.7347, 19.5432



26.5247, 37.7347, 34.5350



40.8420, 37.7347, 74.4961



47.1766, 37.7347, 48.4186

Sweetspot

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



31.3119, 37.7364, 19.5440



66.2794, 72.6974, 65.0084



26.5160, 23.5283, 17.0543



14.2888, 15.7477, 13.7465



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.



31.3119, 37.7364, 19.5440



54.4767, 67.3973, 29.0148



25.9261, 34.9599, 19.2919



8.4792, 9.2356, 8.5491



18.1439, 25.6506, 3.9948



0.5484, 0.7361, 0.1132

Inverse Universe

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



20.7316, 17.6326, 41.3427



32.6281, 25.8519, 74.0760



25.9527, 20.3241, 41.5870



7.7455, 7.8431, 10.0583



6.2253, 2.5691, 29.2123



0.2205, 0.0958, 0.8149

Previews

White Background



This preview shows how the XYZ color 31.3110, 37.7347, 19.5432 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 31.3110, 37.7347, 19.5432 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 31.3110, 37.7347, 19.5432

Background



This preview shows how black text looks on a background with the XYZ color 31.3110, 37.7347, 19.5432.



This preview shows how white text looks on a background with the XYZ color 31.3110, 37.7347,

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

31.3110, 37.7347, 19.5432

Protanopia

34.7762, 37.6130, 18.5238

Deuteranopia

38.3300, 37.5853, 19.9863



Tritanopia

36.9372, 37.8322, 46.9505

Trichromacy



Original Color

31.3110, 37.7347, 19.5432

Protanomaly

33.5657, 37.7958, 18.8908

Deuteranomaly

35.3859, 37.3658, 19.8153

Tritanomaly

34.5905, 37.6910, 35.1577

Monochromacy



Original Color

31.3110, 37.7347, 19.5432

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.3813, 35.8449, 30.4114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3110, 37.7347, 19.5432 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, 172, 107)` looks like.

```
.text, #text, p{  
    color:rgb(157, 172, 107)  
}
```

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, 172, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 172, 107) }
```

Border

The CSS property to change the border of an element to XYZ 31.3110, 37.7347, 19.5432 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, 172, 107) }
```


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

```
.border{ border-color:rgb(157, 172, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 172, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 172, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 172, 107);  
box-shadow:4px 4px 4px 4px rgb(157, 172,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3110, 37.7347, 19.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 172, 107) }
```

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

```
.background{ background-color: rgb(157,  
172, 107) }
```

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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