

Converting Colors

XYZ(31.6517, 37.2436, 32.7571)

Have a look what the booklet for
XYZ(31.6517, 37.2436, 32.7571)
contains.

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Color

**XYZ(31.7838, 37.4042,
32.7387)**

Conversions

Conversions Part 1

Format	Color
Hex	93AB92
RGB	147, 171, 146
RGB Percent	58%, 67%, 57%
CMY	0.4235, 0.3294, 0.4274
CMYK	0.14, 0.00, 0.15, 0.33
HSL	118°, 13%, 62%
HSV	118°, 15%, 67%
XYZ	31.7838, 37.4042, 32.7387
YIQ	160.9740, -6.2790, -12.8630

Conversions

Conversions Part 2

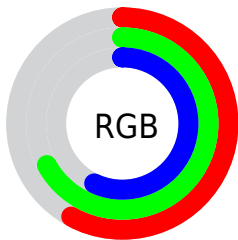
Format	Color
RYB	146, 171, 170
Decimal	9677714
CIELab	67.58, -13.20, 10.11
CIELCh	68, 16.633, 142.548
Yxy	37.4042, 0.3118, 0.3670
Android (android.graphics.Color)	4287867794 (0xFF93AB92)
YUV	160.9740, -7.3822, -12.2552
Hunter-Lab	61.1590, -14.2633, 11.0731

Details

The XYZ color **31.7838, 37.4042, 32.7387** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2088, 32.0452, 42.9124**, and the grayscale version is **33.9003, 35.6658, 38.8400**.

A 20% lighter version of the original color is **61.7091, 70.9804, 65.0917**, and **13.4863, 16.5067, 13.3018** is the 20% darker color. If you saturate the color by 10%, you get **27.8152, 35.5018, 26.1209**, and if you desaturate by 10%, it is **36.3736, 39.6060, 40.4258**.

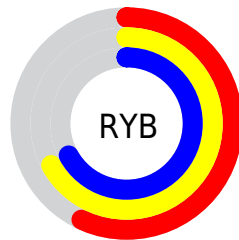
Distribution



Red (58%)

Green (67%)

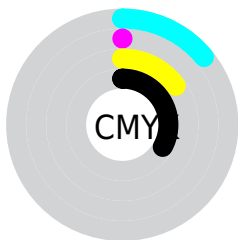
Blue (57%)



Red (57%)

Yellow (67%)

Blue (67%)

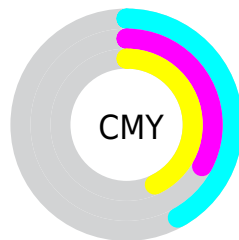


Cyan (14%)

Magenta (0%)

Yellow (15%)

Black (33%)



Cyan (42%)

Magenta (33%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7838, 37.4042, 32.7387 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 31.7838, 37.4042, 32.7387 by changing the saturation by 10% instead.

■ 31.7838, 37.4042,
32.7387

■ 31.7838, 37.4042,
32.7387

301.8960,
335.0572, 329.0665

■ 21.3512, 25.5206,
21.6569

■ 61.8395, 71.1940,
65.0787

■ 13.4949, 16.4653,
13.4091

■ 82.1932, 93.8690,
87.1739

■ 7.8495, 9.8540,
7.5768

106.5848,
120.9099, 113.7773

■ 4.0498, 5.3023,
3.7415

135.3794,
152.7012, 145.3075

■ 1.7303, 2.4257,
1.4846

168.9425,
189.6271, 182.1829

■ 0.4752, 0.8391,
0.2064

207.6394,

■ 0.0000, 0.0000,

232.0722, 224.8222

0.0000

251.8354,
280.4207, 273.6439

■ 31.7838, 37.4042,
32.7387

■ 31.7838, 37.4042,
32.7387

■ 27.8152, 35.5018,
26.1209

■ 36.3736, 39.6060,
40.4258

■ 24.4383, 33.8813,
20.5228

■ 41.6064, 42.1143,
49.2241

■ 21.6256, 32.5309,
15.8945

■ 47.5069, 44.9420,
59.1761

■ 19.3464, 31.4357,
12.1808

■ 54.0974, 48.0996,
70.3215

■ 17.5669, 30.5798,
9.3211

■ 61.3992, 51.5975,
82.6979

■ 16.2496, 29.9453,
7.2476

■ 69.4326, 55.4452,
96.3414

■ 15.3517, 29.5116,
5.8821

■ 73.8537, 57.6073,
101.8346

■ 14.8221, 29.2547,
5.1297

■ 14.6492, 29.1714,
4.8586

Harmonies

Analogous

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



33.6965, 37.4042, 29.0410



31.7838, 37.4042, 32.7387



30.8889, 37.4042, 38.9250

Triad

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



31.7838, 37.4042, 32.7387



34.9167, 37.4042, 56.3724



40.2962, 37.4042, 35.5547

Complementary

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



31.7838, 37.4042, 32.7387



34.2088, 32.0452, 42.9124

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.



40.6613, 37.4042, 42.5834



31.7838, 37.4042, 32.7387



37.4735, 37.4042, 55.1897

Square

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



31.7838, 37.4042, 32.7387



32.6404, 37.4042, 52.9801



39.6059, 37.4042, 49.9188



38.6309, 37.4042, 30.5254

Rectangle

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



31.7838, 37.4042, 32.7387



30.9582, 37.4042, 43.8684



39.6059, 37.4042, 49.9188



40.5782, 37.4042, 37.7389

Sweetspot

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



31.7848, 37.4058, 32.7395



65.6252, 71.1614, 73.2115



36.3125, 39.3910, 32.8841



14.4897, 15.7997, 16.0831



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.



31.7848, 37.4058, 32.7395



54.1670, 65.6672, 54.0311



32.5254, 37.6814, 37.5704



7.9330, 8.9540, 8.5236



11.0536, 21.9954, 3.6630



0.3169, 0.6167, 0.1023

Inverse Universe

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



34.2088, 32.0452, 42.9124



59.4679, 53.9431, 76.2797



33.3981, 31.7460, 37.5118



8.3050, 8.1315, 10.0845



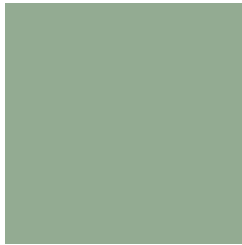
17.1195, 8.1853, 29.7221



0.4858, 0.2326, 0.8273

Previews

White Background



This preview shows how the XYZ color 31.7838, 37.4042, 32.7387 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 31.7838, 37.4042, 32.7387 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

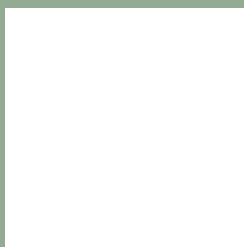
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7838, 37.4042, 32.7387

Background



This preview shows how black text looks on a background with the XYZ color 31.7838, 37.4042, 32.7387.



This preview shows how white text looks on a background with the XYZ color 31.7838, 37.4042,

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

31.7838, 37.4042, 32.7387

Protanopia

35.1712, 37.2746, 30.9322

Deuteranopia

37.9014, 37.0627, 33.5900



Tritanopia

34.9098, 37.2994, 48.0074

Trichromacy



Original Color

31.7838, 37.4042, 32.7387

Protanomaly

33.8809, 37.4071, 31.4212

Deuteranomaly

35.4557, 37.1032, 33.3099

Tritanomaly

33.7402, 37.3746, 41.9949

Monochromacy



Original Color

31.7838, 37.4042, 32.7387

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.1662, 36.3785, 36.7262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7838, 37.4042, 32.7387 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(147, 171, 146)` looks like.

```
.text, #text, p{  
    color:rgb(147, 171, 146)  
}
```

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(147, 171, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 171, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.7838, 37.4042, 32.7387 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(147, 171, 146) }
```


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

```
.border{ border-color:rgb(147, 171, 146) }
```

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

Here you see how a box with a 4 pixel rgb(147, 171, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 171, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 171, 146);  
box-shadow:4px 4px 4px 4px rgb(147, 171,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7838, 37.4042, 32.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 171, 146) }
```

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

```
.background{ background-color: rgb(147,  
171, 146) }
```

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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