

Converting Colors

XYZ(31.5920, 37.0280, 28.8840)

Have a look what the booklet for
XYZ(31.5920, 37.0280, 28.8840)
contains.

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Color

**XYZ(31.5812, 37.1063,
28.7903)**

Conversions

Conversions Part 1

Format	Color
Hex	97AA88
RGB	151, 170, 136
RGB Percent	59%, 67%, 53%
CMY	0.4078, 0.3333, 0.4667
CMYK	0.11, 0.00, 0.20, 0.33
HSL	94°, 17%, 60%
HSV	94°, 20%, 67%
XYZ	31.5812, 37.1063, 28.7903
YIQ	160.4430, -0.4100, -14.6020

Conversions

Conversions Part 2

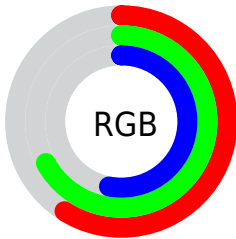
Format	Color
RYB	136, 170, 155
Decimal	9939592
CIELab	67.36, -12.98, 15.35
CIELCh	67, 20.105, 130.229
Yxy	37.1063, 0.3240, 0.3807
Android (android.graphics.Color)	4288129672 (0xFF97AA88)
YUV	160.4430, -12.0504, -8.2815
Hunter-Lab	60.9149, -14.0583, 14.6182

Details

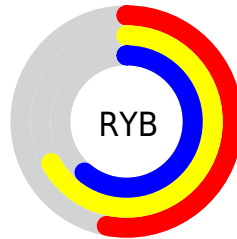
The XYZ color **31.5812, 37.1063, 28.7903** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.5788, 27.4802, 41.7773**, and the grayscale version is **33.6731, 35.4267, 38.5797**.

A 20% lighter version of the original color is **61.2874, 70.5037, 58.5225**, and **13.4137, 16.3381, 11.2507** is the 20% darker color. If you saturate the color by 10%, you get **28.7750, 35.7895, 22.8446**, and if you desaturate by 10%, it is **34.7231, 38.5763, 35.7537**.

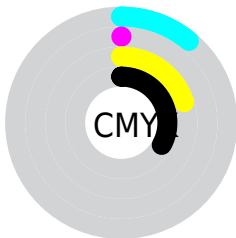
Distribution



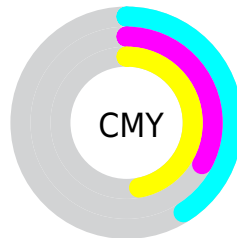
- Red (59%)
- Green (67%)
- Blue (53%)



- Red (53%)
- Yellow (67%)
- Blue (61%)



- Cyan (11%)
- Magenta (0%)
- Yellow (20%)
- Black (33%)



- Cyan (41%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5812, 37.1063, 28.7903 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 31.5812, 37.1063, 28.7903 by changing the saturation by 10% instead.

■ 31.5812, 37.1063,
28.7903

■ 31.5812, 37.1063,
28.7903

300.9863,
333.7705, 310.2542

■ 21.1958, 25.2898,
18.6780

■ 61.5236, 70.7362,
58.7820

■ 13.3805, 16.2931,
11.2634

■ 81.8113, 93.3185,
79.4984

■ 7.7699, 9.7318,
6.1279

■ 106.1305,
120.2581, 104.5867

■ 3.9986, 5.2215,
2.8530

134.8466,
151.9395, 134.4653

■ 1.7013, 2.3778,
1.0201

168.3248,
188.7470, 169.5528

■ 0.4571, 0.8144,
0.0000

206.9306,

■ 0.0000, 0.0000,

231.0651, 210.2678

0.0000

251.0294,
279.2781, 257.0287

■ 31.5812, 37.1063,
28.7903

■ 31.5812, 37.1063,
28.7903

■ 28.7750, 35.7895,
22.8446

■ 34.7231, 38.5763,
35.7537

■ 26.2894, 34.6157,
17.8665

■ 38.2096, 40.1996,
43.7768

■ 24.1119, 33.5808,
13.8053

■ 42.0525, 41.9827,
52.9023

■ 22.2285, 32.6788,
10.6049

■ 46.2623, 43.9301,
63.1697

■ 20.6236, 31.9029,
8.2028

■ 50.8493, 46.0461,
74.6168

■ 19.2798, 31.2458,
6.5282

■ 55.8229, 48.3350,
87.2793

■ 18.1772, 30.6991,
5.4977

■ 61.1918, 50.8005,
101.1881

■ 17.2767, 30.2465,
4.9276

■ 64.1067, 52.3032,
101.3245

■ 67.1869, 53.8911,
101.4686

Harmonies

Analogous

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



34.2275, 37.1063, 25.9076



31.5812, 37.1063, 28.7903



29.9851, 37.1063, 34.9339

Triad

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



31.5812, 37.1063, 28.7903



33.3033, 37.1063, 58.5518



41.4217, 37.1063, 37.4656

Complementary

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



31.5812, 37.1063, 28.7903



29.5788, 27.4802, 41.7773

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.



41.1385, 37.1063, 46.4139



31.5812, 37.1063, 28.7903



36.3303, 37.1063, 59.4918

Square

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



31.5812, 37.1063, 28.7903



30.9386, 37.1063, 52.3726



39.2320, 37.1063, 54.7799



39.9845, 37.1063, 30.4111

Rectangle

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



31.5812, 37.1063, 28.7903



29.6730, 37.1063, 40.4701



39.2320, 37.1063, 54.7799



41.5265, 37.1063, 40.3349

Sweetspot

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



31.5822, 37.1079, 28.7911



65.3847, 71.1016, 70.3006



32.6944, 33.6680, 28.0685



14.4939, 15.8153, 15.4778



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.



31.5822, 37.1079, 28.7911



54.9679, 66.2314, 47.2293



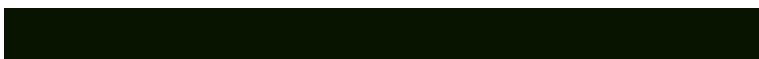
29.0949, 35.8116, 29.3105



7.7391, 8.5636, 8.0343



12.7704, 22.2806, 3.6275



0.3699, 0.5726, 0.0910

Inverse Universe

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



29.5788, 27.4802, 41.7773



50.6638, 45.5505, 75.1237



32.4790, 28.9937, 41.0788



7.5177, 7.4995, 9.4697



8.8744, 3.9584, 28.2718



0.2732, 0.1259, 0.6905

Previews

White Background



This preview shows how the XYZ color 31.5812, 37.1063, 28.7903 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 31.5812, 37.1063, 28.7903 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 31.5812, 37.1063, 28.7903

Background



This preview shows how black text looks on a background with the XYZ color 31.5812, 37.1063, 28.7903.



This preview shows how white text looks on a background with the XYZ color 31.5812, 37.1063,

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

31.5812, 37.1063, 28.7903

Protanopia

34.7864, 36.8865, 27.4767

Deuteranopia

37.6261, 37.0092, 29.5865



Tritanopia

35.1159, 36.8933, 46.8653

Trichromacy



Original Color

31.5812, 37.1063, 28.7903

Protanomaly

33.6652, 37.1007, 27.9411

Deuteranomaly

35.1870, 36.7896, 29.2913

Tritanomaly

33.6754, 36.8496, 39.5202

Monochromacy



Original Color

31.5812, 37.1063, 28.7903

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7660, 35.9534, 34.4909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5812, 37.1063, 28.7903 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(151, 170, 136)` looks like.

```
.text, #text, p{  
    color:rgb(151, 170, 136)  
}
```

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(151, 170, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 170, 136) }
```

Border

The CSS property to change the border of an element to XYZ 31.5812, 37.1063, 28.7903 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(151, 170, 136) }
```


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

```
.border{ border-color:rgb(151, 170, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 170, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 170, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 170, 136);  
box-shadow:4px 4px 4px 4px rgb(151, 170,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5812, 37.1063, 28.7903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 170, 136) }
```

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

```
.background{ background-color: rgb(151,  
170, 136) }
```

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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