

Converting Colors

XYZ(31.3113, 34.0744, 28.7833)

Have a look what the booklet for
XYZ(31.3113, 34.0744, 28.7833)
contains.

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Color

**XYZ(31.2837, 34.0022,
28.9590)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9F8A
RGB	159, 159, 138
RGB Percent	62%, 62%, 54%
CMY	0.3765, 0.3765, 0.4588
CMYK	0.00, 0.00, 0.13, 0.38
HSL	60°, 10%, 58%
HSV	60°, 13%, 62%
XYZ	31.2837, 34.0022, 28.9590
YIQ	156.6060, 6.7410, -6.5310

Conversions

Conversions Part 2

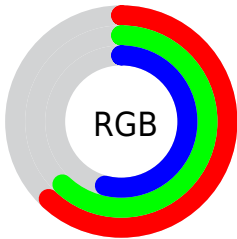
Format	Color
RYB	138, 159, 138
Decimal	10461066
CIELab	64.96, -3.76, 10.97
CIELCh	65, 11.602, 108.929
Yxy	34.0022, 0.3319, 0.3608
Android (android.graphics.Color)	4288651146 (0xFF9F9F8A)
YUV	156.6060, -9.1728, 2.0995
Hunter-Lab	58.3114, -6.2808, 11.3730

Details

The XYZ color **31.2837, 34.0022, 28.9590** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.8290, 26.0843, 36.4762**, and the grayscale version is **31.9094, 33.5712, 36.5590**.

A 20% lighter version of the original color is **61.1821, 66.1509, 58.8340**, and **13.1874, 14.5555, 11.3470** is the 20% darker color. If you saturate the color by 10%, you get **30.2157, 33.5761, 23.3334**, and if you desaturate by 10%, it is **32.5221, 34.4987, 35.4738**.

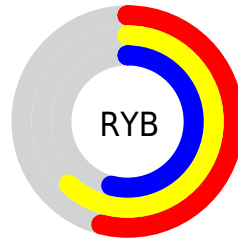
Distribution



Red (62%)

Green (62%)

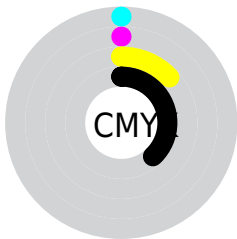
Blue (54%)



Red (54%)

Yellow (62%)

Blue (54%)

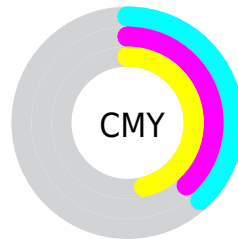


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2837, 34.0022, 28.9590 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 31.2837, 34.0022, 28.9590 by changing the saturation by 10% instead.

■ 31.2837, 34.0022,
28.9590

■ 31.2837, 34.0022,
28.9590

299.6468,
320.1419, 311.0763

■ 20.9679, 22.8953,
18.8045

■ 61.0593, 65.9371,
59.0533

■ 13.2128, 14.5162,
11.3537

■ 81.2497, 87.5339,
79.8303

■ 7.6533, 8.4806,
6.1881

■ 105.4624,
113.3960, 104.9851

■ 3.9238, 4.4040,
2.8892

134.0626,
143.9080, 134.9363

■ 1.6591, 1.9020,
1.0383

167.4159,
179.4542, 170.1025

■ 0.4305, 0.5496,
0.0000

205.8874,

■ 0.0000, 0.0000,

220.4190, 210.9022

0.0000

249.8426,
267.1867, 257.7540

■ 31.2837, 34.0022,
28.9590

■ 31.2837, 34.0022,
28.9590

■ 30.2157, 33.5761,
23.3334

■ 32.5221, 34.4987,
35.4738

■ 29.3081, 33.2130,
18.5564

■ 33.9350, 35.0640,
42.9116

■ 28.5539, 32.9112,
14.5875

■ 35.5298, 35.7019,
51.3073

■ 27.9447, 32.6675,
11.3820

■ 37.3127, 36.4151,
60.6931

■ 27.4712, 32.4780,
8.8909

■ 39.2894, 37.2059,
71.1001

■ 27.1229, 32.3387,
7.0596

■ 41.4657, 38.0764,
82.5575

■ 26.8881, 32.2447,
5.8254

■ 43.8468, 39.0289,
95.0938

■ 26.7525, 32.1904,
5.1139

■ 44.7509, 39.3906,
99.8523

■ 26.6929, 32.1665,
4.8019

■ 44.7514, 39.3909,
99.8523

Harmonies

Analogous

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



32.9410, 34.0022, 28.6820



31.2837, 34.0022, 28.9590



29.9484, 34.0022, 31.2828

Triad

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



31.2837, 34.0022, 28.9590



30.2463, 34.0022, 44.4272



35.5857, 34.0022, 38.8238

Complementary

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



31.2837, 34.0022, 28.9590



25.8290, 26.0843, 36.4762

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.



34.8095, 34.0022, 43.4248



31.2837, 34.0022, 28.9590



31.7030, 34.0022, 46.8412

Square

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



31.2837, 34.0022, 28.9590



29.3639, 34.0022, 40.0986



33.3750, 34.0022, 46.4593



35.4640, 34.0022, 34.1081

Rectangle

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



31.2837, 34.0022, 28.9590



29.4026, 34.0022, 33.8018



33.3750, 34.0022, 46.4593



35.4201, 34.0022, 40.4417

Sweetspot

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



31.2846, 34.0037, 28.9597



58.0365, 61.6989, 62.4506



27.9751, 27.3837, 27.8564



13.0463, 13.8948, 13.8797



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2846, 34.0037, 28.9597



55.4006, 60.6445, 48.5759



29.2902, 32.9756, 28.8664



7.1701, 7.7203, 7.0979



21.0818, 25.4048, 3.7925



0.3770, 0.4543, 0.0678

Inverse Universe

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



25.8290, 26.0843, 36.4762



43.5935, 43.5052, 64.8432



27.6509, 27.0235, 36.5614



6.2848, 6.4353, 8.3176



4.9431, 1.9773, 26.0284



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 31.2837, 34.0022, 28.9590 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 31.2837, 34.0022, 28.9590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

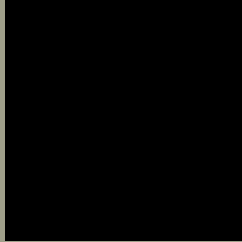
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2837, 34.0022, 28.9590

Background



This preview shows how black text looks on a background with the XYZ color 31.2837, 34.0022, 28.9590.



This preview shows how white text looks on a background with the XYZ color 31.2837, 34.0022,

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

31.2837, 34.0022, 28.9590

Protanopia

32.0894, 33.9194, 28.5227

Deuteranopia

34.4788, 33.9043, 29.1530



Tritanopia

33.8007, 34.0192, 41.3441

Trichromacy



Original Color

31.2837, 34.0022, 28.9590

Protanomaly

31.8465, 34.0464, 28.5600

Deuteranomaly

33.3948, 34.0774, 29.2436

Tritanomaly

32.7895, 33.8586, 36.2597

Monochromacy



Original Color

31.2837, 34.0022, 28.9590

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8324, 33.9248, 33.7246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2837, 34.0022, 28.9590 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(159, 159, 138)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 138)  
}
```

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(159, 159, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.2837, 34.0022, 28.9590 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(159, 159, 138) }
```


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

```
.border{ border-color:rgb(159, 159, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 159, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 159, 138);  
box-shadow:4px 4px 4px 4px rgb(159, 159,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2837, 34.0022, 28.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 138) }
```

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

```
.background{ background-color: rgb(159,  
159, 138) }
```

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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