

Converting Colors

XYZ(28.8464, 31.5410, 28.3536)

Have a look what the booklet for
XYZ(28.8464, 31.5410, 28.3536)
contains.

XYZ(28.8335, 31.4967, 28.2267)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.8335, 31.4967,
28.2267)**

Conversions

Conversions Part 1

Format	Color
Hex	979A89
RGB	151, 154, 137
RGB Percent	59%, 60%, 54%
CMY	0.4078, 0.3961, 0.4627
CMYK	0.02, 0.00, 0.11, 0.40
HSL	71°, 8%, 57%
HSV	71°, 11%, 60%
XYZ	28.8335, 31.4967, 28.2267
YIQ	151.1650, 3.6690, -5.9230

Conversions

Conversions Part 2

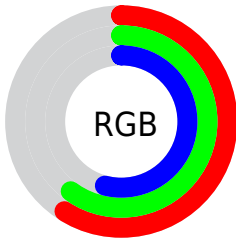
Format	Color
RYB	137, 154, 140
Decimal	9935497
CIELab	62.92, -4.23, 8.55
CIElCh	63, 9.541, 116.325
Yxy	31.4967, 0.3256, 0.3557
Android (android.graphics.Color)	4288125577 (0xFF979A89)
YUV	151.1650, -6.9833, -0.1447
Hunter-Lab	56.1219, -6.5062, 9.4652

Details

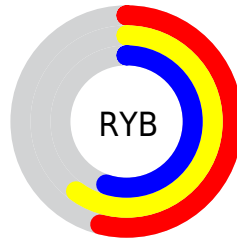
The XYZ color **28.8335, 31.4967, 28.2267** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.5948, 25.8007, 34.2046**, and the grayscale version is **29.5147, 31.0517, 33.8153**.

A 20% lighter version of the original color is **57.0270, 61.8086, 57.6398**, and **11.8261, 13.0979, 10.9217** is the 20% darker color. If you saturate the color by 10%, you get **27.3080, 30.8299, 22.7944**, and if you desaturate by 10%, it is **30.5301, 32.2354, 34.4915**.

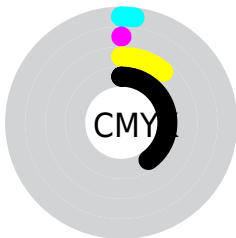
Distribution



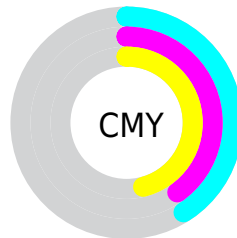
- Red (59%)
- Green (60%)
- Blue (54%)



- Red (54%)
- Yellow (60%)
- Blue (55%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (40%)



- Cyan (41%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8335, 31.4967, 28.2267 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 28.8335, 31.4967, 28.2267 by changing the saturation by 10% instead.

■ 28.8335, 31.4967,
28.2267

■ 28.8335, 31.4967,
28.2267

288.4369,
308.8201, 307.4945

■ 19.0986, 20.9774,
18.2561

■ 57.2118, 62.0212,
57.8736

■ 11.8459, 13.1075,
10.9627

■ 76.5859, 82.7952,
78.3870

■ 6.7103, 7.5026,
5.9279

■ 99.9038, 107.7562,
103.2518

■ 3.3263, 3.7784,
2.7332

127.5308,
137.2886, 132.8864

■ 1.3286, 1.5504,
0.9601

159.8322,
171.7768, 167.7094

■ 0.2045, 0.3238,
0.0000

197.1735,

■ 0.0000, 0.0000,

211.6052, 208.1395

0.0000

239.9200,
257.1582, 254.5950

■ 28.8335, 31.4967,
28.2267

■ 28.8335, 31.4967,
28.2267

■ 27.3080, 30.8299,
22.7944

■ 30.5301, 32.2354,
34.4915

■ 25.9443, 30.2281,
18.1576

■ 32.4015, 33.0443,
41.6196

■ 24.7361, 29.6898,
14.2793

■ 34.4546, 33.9272,
49.6429

■ 23.6755, 29.2119,
11.1192

■ 36.6951, 34.8865,
58.5911

■ 22.7542, 28.7910,
8.6328

■ 39.1285, 35.9243,
68.4923

■ 21.9625, 28.4233,
6.7710

■ 41.7599, 37.0427,
79.3735

■ 21.2900, 28.1045,
5.4779

■ 44.5943, 38.2438,
91.2608

■ 20.7240, 27.8296,
4.6877

■ 46.7871, 39.1896,
99.7061

■ 20.2794, 27.6094,
4.2603

■ 47.3937, 39.5023,
99.7345

Harmonies

Analogous

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



30.0984, 31.4967, 27.5876



28.8335, 31.4967, 28.2267



27.8890, 31.4967, 30.4481

Triad

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



28.8335, 31.4967, 28.2267



28.5616, 31.4967, 40.6549



32.5213, 31.4967, 34.7590

Complementary

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



28.8335, 31.4967, 28.2267



25.5948, 25.8007, 34.2046

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.



32.0821, 31.4967, 38.4520



28.8335, 31.4967, 28.2267



29.7755, 31.4967, 42.0090

Square

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



28.8335, 31.4967, 28.2267



27.7353, 31.4967, 37.5941



31.0676, 31.4967, 41.1751



32.2515, 31.4967, 31.1940

Rectangle

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



28.8335, 31.4967, 28.2267



27.5553, 31.4967, 32.6172



31.0676, 31.4967, 41.1751



32.4514, 31.4967, 36.0284

Sweetspot

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



28.8344, 31.4981, 28.2274



54.8098, 58.2741, 60.2303



27.1966, 27.3846, 27.5197



12.3504, 13.1659, 13.4258



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.8344, 31.4981, 28.2274



51.7353, 56.9355, 48.9551



27.3421, 30.7288, 28.1575



6.6019, 7.1677, 6.6414



16.5480, 22.5067, 3.4721



0.2722, 0.3493, 0.0531

Inverse Universe

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



25.5948, 25.8007, 34.2046



44.7727, 44.6898, 61.8025



27.0526, 26.5522, 34.2728



5.9812, 6.0762, 7.7865



5.1474, 2.1046, 25.0426



0.0992, 0.0429, 0.3754

Previews

White Background



This preview shows how the XYZ color 28.8335, 31.4967, 28.2267 looks on a white background.

Color Contrast Check

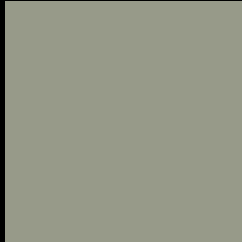
Large Text (above 18pt) WCAG AA × Fail

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 28.8335, 31.4967, 28.2267 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 28.8335, 31.4967, 28.2267

Background



This preview shows how black text looks on a background with the XYZ color 28.8335, 31.4967, 28.2267.



This preview shows how white text looks on a background with the XYZ color 28.8335, 31.4967,

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

28.8335, 31.4967, 28.2267

Protanopia

29.9702, 31.6050, 27.8133

Deuteranopia

32.0344, 31.4731, 28.4313



Tritanopia

30.9455, 31.3899, 38.6103

Trichromacy



Original Color

28.8335, 31.4967, 28.2267

Protanomaly

29.5455, 31.6280, 27.8401

Deuteranomaly

30.8036, 31.5402, 28.5091

Tritanomaly

30.1428, 31.3031, 34.5904

Monochromacy



Original Color

28.8335, 31.4967, 28.2267

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1790, 31.1111, 31.6613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8335, 31.4967, 28.2267 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, 154, 137)` looks like.

```
.text, #text, p{  
    color:rgb(151, 154, 137)  
}
```

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, 154, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 154, 137) }
```

Border

The CSS property to change the border of an element to XYZ 28.8335, 31.4967, 28.2267 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, 154, 137) }
```


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

```
.border{ border-color:rgb(151, 154, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 154, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 154, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 154, 137);  
box-shadow:4px 4px 4px 4px rgb(151, 154,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8335, 31.4967, 28.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 154, 137) }
```

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

```
.background{ background-color: rgb(151,  
154, 137) }
```

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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