

Converting Colors

XYZ(28.7217, 28.7887, 31.2385)

Have a look what the booklet for
XYZ(28.7217, 28.7887, 31.2385)
contains.

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Color

**XYZ(28.7211, 28.7882,
31.2370)**

Conversions

Conversions Part 1

Format	Color
Hex	9C8F92
RGB	156, 143, 146
RGB Percent	61%, 56%, 57%
CMY	0.3882, 0.4392, 0.4274
CMYK	0.00, 0.08, 0.06, 0.39
HSL	346°, 6%, 59%
HSV	346°, 8%, 61%
XYZ	28.7211, 28.7882, 31.2370
YIQ	147.2290, 6.7850, 3.6890

Conversions

Conversions Part 2

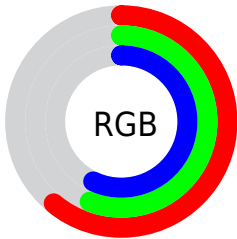
Format	Color
RYB	156, 143, 146
Decimal	10260370
CIELab	60.59, 5.38, 0.15
CIELCh	61, 5.379, 1.624
Yxy	28.7882, 0.3236, 0.3244
Android (android.graphics.Color)	4288450450 (0xFF9C8F92)
YUV	147.2290, -0.6059, 7.6922
Hunter-Lab	53.6546, 1.6547, 3.0404

Details

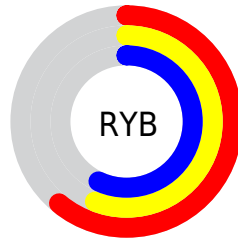
The XYZ color **28.7211, 28.7882, 31.2370** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.9671, 31.9173, 34.7726**, and the grayscale version is **27.8291, 29.2784, 31.8841**.

A 20% lighter version of the original color is **57.2555, 57.9515, 62.8117**, and **11.8514, 11.6765, 12.6955** is the 20% darker color. If you saturate the color by 10%, you get **25.6551, 24.0725, 25.8478**, and if you desaturate by 10%, it is **32.2125, 34.1971, 37.2524**.

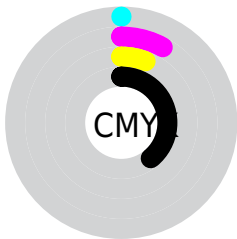
Distribution



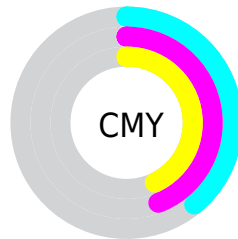
- Red (61%)
- Green (56%)
- Blue (57%)



- Red (61%)
- Yellow (56%)
- Blue (57%)



- Cyan (0%)
- Magenta (8%)
- Yellow (6%)
- Black (39%)



- Cyan (39%)
- Magenta (44%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7211, 28.7882, 31.2370 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 28.7211, 28.7882, 31.2370 by changing the saturation by 10% instead.

■ 28.7211, 28.7882,
31.2370

■ 28.7211, 28.7882,
31.2370

287.9147,
296.2143, 322.0136

■ 19.0132, 18.9207,
20.5194

■ 57.0343, 57.7404,
62.6970

■ 11.7838, 11.6130,
12.5854

■ 76.3703, 77.5939,
84.2764

■ 6.6678, 6.4807,
7.0163

■ 99.6463, 101.5447,
110.3135

■ 3.2997, 3.1395,
3.3937

127.2278,
129.9774, 141.2269

■ 1.3142, 1.2050,
1.2990

159.4800,
163.2763, 177.4351

■ 0.1938, 0.0658,
0.0610

196.7683,

■ 0.0000, 0.0000,

201.8259, 219.3566

0.0000

239.4581,
246.0104, 267.4099

■ 28.7211, 28.7882,
31.2370

■ 28.7211, 28.7882,
31.2370

■ 25.6551, 24.0725,
25.8478

■ 32.2125, 34.1971,
37.2524

■ 22.9956, 20.0181,
21.0627

■ 36.1423, 40.3216,
43.9114

■ 20.7260, 16.5966,
16.8608

■ 40.5260, 47.1879,
51.2333

■ 18.8277, 13.7758,
13.2194

■ 45.3776, 54.8199,
59.2358

■ 17.2802, 11.5207,
10.1142

■ 50.7105, 63.2402,
67.9360

■ 16.0612, 9.7927,
7.5194

■ 56.5375, 72.4705,
77.3503

■ 15.1459, 8.5484,
5.4064

■ 62.8710, 82.5317,
87.4948

■ 14.5054, 7.7373,
3.7441

■ 65.5010, 85.0002,
96.9774

■ 14.0882, 7.2643,
2.4913

■ 67.3641, 85.7455,
106.7882

Harmonies

Analogous

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



28.5560, 28.7882, 33.2013



28.7211, 28.7882, 31.2370



28.5170, 28.7882, 29.3796

Triad

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



28.7211, 28.7882, 31.2370



26.6670, 28.7882, 28.1958



26.7316, 28.7882, 34.8378

Complementary

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



28.7211, 28.7882, 31.2370



28.9671, 31.9173, 34.7726

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.



26.2392, 28.7882, 33.3971



28.7211, 28.7882, 31.2370



26.2024, 28.7882, 29.5601

Square

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



28.7211, 28.7882, 31.2370



27.3244, 28.7882, 27.6705



26.0471, 28.7882, 31.4542



27.4003, 28.7882, 35.3322

Rectangle

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



28.7211, 28.7882, 31.2370



28.2010, 28.7882, 28.4375



26.0471, 28.7882, 31.4542



26.5404, 28.7882, 34.4451

Sweetspot

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



28.7219, 28.7895, 31.2376



56.0638, 58.3194, 63.4744



28.9548, 28.8156, 35.4888



12.3540, 12.8599, 13.9972



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.



28.7219, 28.7895, 31.2376



51.0693, 50.5964, 54.8234



29.0202, 29.7542, 30.2018



6.6926, 6.6700, 7.2324



11.5666, 5.9312, 1.9688



0.2213, 0.1118, 0.1112

Inverse Universe

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



28.7219, 28.7895, 31.2376



51.0693, 50.5964, 54.8234



28.6445, 30.8709, 35.9019



6.6926, 6.6700, 7.2324



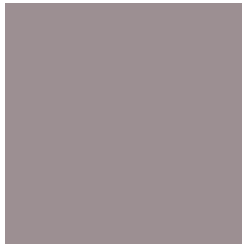
11.5666, 5.9312, 1.9688



0.2213, 0.1118, 0.1112

Previews

White Background



This preview shows how the XYZ color 28.7211, 28.7882, 31.2370 looks on a white background.

Color Contrast Check

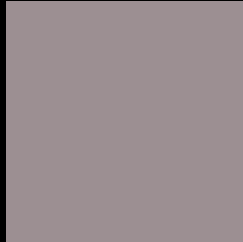
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7211, 28.7882, 31.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

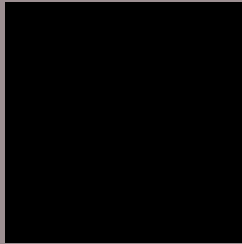
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

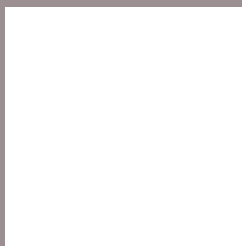
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7211, 28.7882, 31.2370

Background



This preview shows how black text looks on a background with the XYZ color 28.7211, 28.7882, 31.2370.



This preview shows how white text looks on a background with the XYZ color 28.7211, 28.7882,

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

28.7211, 28.7882, 31.2370

Protanopia

27.6046, 28.6533, 31.6795

Deuteranopia

29.3585, 28.8949, 31.2240



Tritanopia

29.3274, 28.8140, 34.1529

Trichromacy



Original Color

28.7211, 28.7882, 31.2370

Protanomaly

28.0022, 28.6324, 31.6545

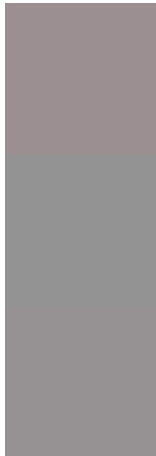
Deuteranomaly

29.1594, 28.7923, 31.2147

Tritanomaly

29.0826, 28.7161, 32.8641

Monochromacy



Original Color

28.7211, 28.7882, 31.2370

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.1230, 29.1484, 31.7477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7211, 28.7882, 31.2370 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(156, 143, 146)` looks like.

```
.text, #text, p{  
    color:rgb(156, 143, 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(156, 143, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 143, 146) }
```

Border

The CSS property to change the border of an element to XYZ 28.7211, 28.7882, 31.2370 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(156, 143, 146) }
```


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

```
.border{ border-color:rgb(156, 143, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 143, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 143, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 143, 146);  
box-shadow:4px 4px 4px 4px rgb(156, 143,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7211, 28.7882, 31.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 143, 146) }
```

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

```
.background{ background-color: rgb(156,  
143, 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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