

Converting Colors

XYZ(28.9893, 31.7832, 30.2894)

Have a look what the booklet for
XYZ(28.9893, 31.7832, 30.2894)
contains.

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Color

**XYZ(28.9983, 31.7852,
30.1980)**

Conversions

Conversions Part 1

Format	Color
Hex	959B8E
RGB	149, 155, 142
RGB Percent	58%, 61%, 56%
CMY	0.4157, 0.3921, 0.4431
CMYK	0.04, 0.00, 0.08, 0.39
HSL	88°, 6%, 58%
HSV	88°, 8%, 61%
XYZ	28.9983, 31.7852, 30.1980
YIQ	151.7240, 0.5970, -5.3150

Conversions

Conversions Part 2

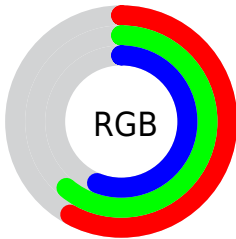
Format	Color
RYB	142, 155, 148
Decimal	9804686
CIELab	63.16, -4.63, 6.06
CIELCh	63, 7.628, 127.351
Yxy	31.7852, 0.3187, 0.3494
Android (android.graphics.Color)	4287994766 (0xFF959B8E)
YUV	151.7240, -4.7939, -2.3889
Hunter-Lab	56.3784, -6.8504, 7.7073

Details

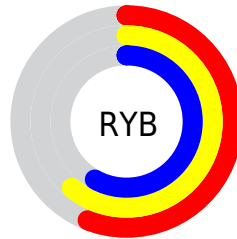
The XYZ color **28.9983, 31.7852, 30.1980** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.8033, 28.0093, 34.9528**, and the grayscale version is **29.7466, 31.2958, 34.0811**.

A 20% lighter version of the original color is **57.3929, 62.2830, 61.2214**, and **11.9191, 13.2700, 12.0584** is the 20% darker color. If you saturate the color by 10%, you get **26.6491, 30.7003, 24.4298**, and if you desaturate by 10%, it is **31.5913, 32.9789, 36.8238**.

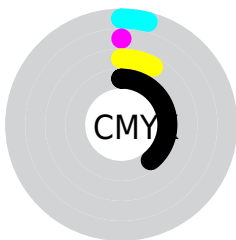
Distribution



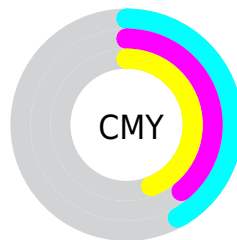
- Red (58%)
- Green (61%)
- Blue (56%)



- Red (56%)
- Yellow (61%)
- Blue (58%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (39%)



- Cyan (42%)
- Magenta (39%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9983, 31.7852, 30.1980 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 28.9983, 31.7852, 30.1980 by changing the saturation by 10% instead.

■ 28.9983, 31.7852,
30.1980

■ 28.9983, 31.7852,
30.1980

289.2013,
310.1396, 317.0623

■ 19.2238, 21.1975,
19.7356

■ 57.4720, 62.4742,
61.0399

■ 11.9371, 13.2684,
12.0208

■ 76.9018, 83.3443,
82.2564

■ 6.7727, 7.6137,
6.6352

■ 100.2809,
108.4106, 107.8947

■ 3.3654, 3.8487,
3.1600

127.9745,
138.0575, 138.3734

■ 1.3498, 1.5893,
1.1769

160.3480,
172.6695, 174.1110

■ 0.2201, 0.3504,
0.0000

197.7667,

■ 0.0000, 0.0000,

212.6309, 215.5259

0.0000

240.5960,
258.3262, 263.0369

■ 28.9983, 31.7852,
30.1980

■ 28.9983, 31.7852,
30.1980

■ 26.6491, 30.7003,
24.4298

■ 31.5913, 32.9789,
36.8238

■ 24.5331, 29.7168,
19.4820

■ 34.4332, 34.2806,
44.3382

■ 22.6426, 28.8324,
15.3179

■ 37.5321, 35.6946,
52.7730

■ 20.9684, 28.0433,
11.8971

■ 40.8950, 37.2240,
62.1580

■ 19.5006, 27.3453,
9.1757

■ 44.5286, 38.8716,
72.5216

■ 18.2283, 26.7340,
7.1051

■ 48.4393, 40.6400,
83.8911

■ 17.1396, 26.2043,
5.6303

■ 52.6332, 42.5319,
96.2926

■ 16.2206, 25.7504,
4.6876

■ 55.2935, 43.8207,
100.1517

■ 15.4460, 25.3621,
4.1530

■ 57.3287, 44.8699,
100.2469

Harmonies

Analogous

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



29.9524, 31.7852, 29.1670



28.9983, 31.7852, 30.1980



28.3794, 31.7852, 32.4220

Triad

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



28.9983, 31.7852, 30.1980



29.4374, 31.7852, 40.2445



32.2651, 31.7852, 33.8716

Complementary

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



28.9983, 31.7852, 30.1980



27.8033, 28.0093, 34.9528

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.



32.1195, 31.7852, 36.8916



28.9983, 31.7852, 30.1980



30.4708, 31.7852, 40.6883

Square

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



28.9983, 31.7852, 30.1980



28.6288, 31.7852, 38.2496



31.4568, 31.7852, 39.4292



31.8502, 31.7852, 31.2064

Rectangle

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



28.9983, 31.7852, 30.1980



28.2319, 31.7852, 34.3412



31.4568, 31.7852, 39.4292



32.2803, 31.7852, 34.8776

Sweetspot

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



28.9992, 31.7866, 30.1987



54.3512, 58.0376, 60.2088



28.9676, 30.0554, 29.8662



12.2206, 13.0991, 13.4198



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.



28.9992, 31.7866, 30.1987



51.1399, 56.5583, 52.1018



27.8719, 31.2055, 30.1459



6.4338, 7.0811, 6.6335



12.3561, 20.3457, 3.2759



0.2267, 0.3258, 0.0509

Inverse Universe

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



27.8033, 28.0093, 34.9528



48.5681, 48.4353, 62.3254



28.9837, 28.6178, 35.0081



6.1419, 6.1590, 7.7941



6.9151, 3.0159, 25.1254



0.1447, 0.0664, 0.3776

Previews

White Background



This preview shows how the XYZ color 28.9983, 31.7852, 30.1980 looks on a white background.

Color Contrast Check

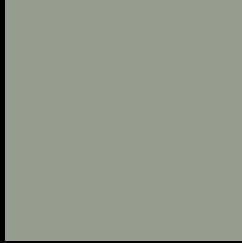
Large Text (above 18pt) WCAG AA × Fail

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 28.9983, 31.7852, 30.1980 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

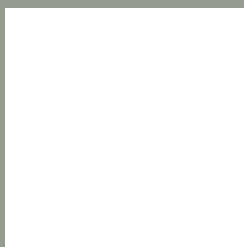
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9983, 31.7852, 30.1980

Background



This preview shows how black text looks on a background with the XYZ color 28.9983, 31.7852, 30.1980.



This preview shows how white text looks on a background with the XYZ color 28.9983, 31.7852,

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

28.9983, 31.7852, 30.1980

Protanopia

30.1365, 31.6487, 29.7197

Deuteranopia

32.2623, 31.5390, 30.7728



Tritanopia

30.8780, 31.8122, 39.6349

Trichromacy



Original Color

28.9983, 31.7852, 30.1980

Protanomaly

29.7165, 31.6741, 29.7468

Deuteranomaly

30.9685, 31.5824, 30.4504

Tritanomaly

30.1545, 31.7621, 35.9939

Monochromacy



Original Color

28.9983, 31.7852, 30.1980

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.4990, 31.4999, 32.5423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9983, 31.7852, 30.1980 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(149, 155, 142) looks like.

```
.text, #text, p{  
    color:rgb(149, 155, 142)  
}
```

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(149, 155, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 155, 142) }
```

Border

The CSS property to change the border of an element to XYZ 28.9983, 31.7852, 30.1980 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(149, 155, 142) }
```


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

```
.border{ border-color:rgb(149, 155, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 155, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 155, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 155, 142);  
box-shadow:4px 4px 4px 4px rgb(149, 155,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9983, 31.7852, 30.1980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 155, 142) }
```

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

```
.background{ background-color: rgb(149,  
155, 142) }
```

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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