

Converting Colors

XYZ(28.9740, 31.2473, 31.6984)

Have a look what the booklet for
XYZ(28.9740, 31.2473, 31.6984)
contains.

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Color

**XYZ(28.9740, 31.2473,
31.6984)**

Conversions

Conversions Part 1

Format	Color
Hex	959992
RGB	149, 153, 146
RGB Percent	58%, 60%, 57%
CMY	0.4157, 0.4000, 0.4274
CMYK	0.03, 0.00, 0.05, 0.40
HSL	94°, 3%, 59%
HSV	94°, 5%, 60%
XYZ	28.9740, 31.2473, 31.6984
YIQ	151.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

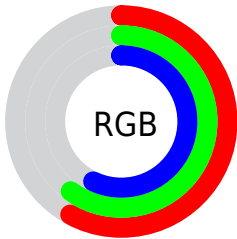
Format	Color
RYB	146, 153, 150
Decimal	9804178
CIELab	62.72, -2.79, 3.16
CIELCh	63, 4.216, 131.364
Yxy	31.2473, 0.3152, 0.3399
Android (android.graphics.Color)	4287994258 (0xFF959992)
YUV	151.0060, -2.4680, -1.7593
Hunter-Lab	55.8993, -5.3027, 5.5084

Details

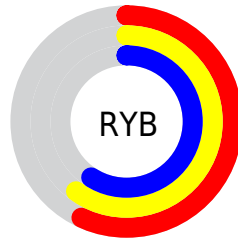
The XYZ color **28.9740, 31.2473, 31.6984** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.6074, 29.3425, 34.2944**, and the grayscale version is **29.4290, 30.9616, 33.7171**.

A 20% lighter version of the original color is **57.3668, 61.4923, 63.4892**, and **11.8997, 12.9439, 12.9376** is the 20% darker color. If you saturate the color by 10%, you get **26.3268, 30.0119, 25.7719**, and if you desaturate by 10%, it is **31.9021, 32.6109, 38.4709**.

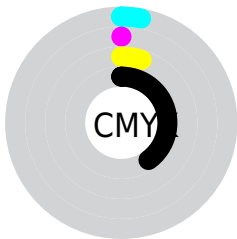
Distribution



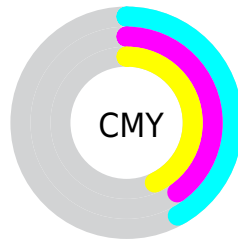
- Red (58%)
- Green (60%)
- Blue (57%)



- Red (57%)
- Yellow (60%)
- Blue (59%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9740, 31.2473, 31.6984 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 28.9740, 31.2473, 31.6984 by changing the saturation by 10% instead.

■ 28.9740, 31.2473,
31.6984

■ 28.9740, 31.2473,
31.6984

289.0887,
307.6760, 324.1933

■ 19.2053, 20.7872,
20.8683

■ 57.4336, 61.6292,
63.4304

■ 11.9236, 12.9686,
12.8375

■ 76.8553, 82.3198,
85.1694

■ 6.7635, 7.4069,
7.1873

100.2253,
107.1895, 111.3817

■ 3.3597, 3.7179,
3.4993

127.9091,
136.6224, 142.4861

■ 1.3467, 1.5170,
1.3549

160.2720,
171.0032, 178.9008

■ 0.2178, 0.3007,
0.1062

197.6793,

■ 0.0000, 0.0000,

210.7161, 221.0446

0.0000

240.4964,
256.1456, 269.3359

■ 28.9740, 31.2473,
31.6984

■ 28.9740, 31.2473,
31.6984

■ 26.3268, 30.0119,
25.7719

■ 31.9021, 32.6109,
38.4709

■ 23.9489, 28.8969,
20.6562

■ 35.1170, 34.1022,
46.1188

■ 21.8319, 27.8994,
16.3165

■ 38.6276, 35.7263,
54.6724

■ 19.9658, 27.0152,
12.7148

■ 42.4417, 37.4865,
64.1601

■ 18.3398, 26.2396,
9.8100

■ 46.5666, 39.3860,
74.6091

■ 16.9424, 25.5676,
7.5567

■ 51.0097, 41.4279,
86.0454

■ 15.7607, 24.9937,
5.9043

■ 55.7777, 43.6154,
98.4939

■ 14.7805, 24.5120,
4.7947

■ 58.6433, 45.0575,
100.2139

■ 13.9846, 24.1150,
4.1559

■ 61.3433, 46.4494,
100.3402

Harmonies

Analogous

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



29.4820, 31.2473, 31.0082



28.9740, 31.2473, 31.6984



28.6629, 31.2473, 33.0198

Triad

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



28.9740, 31.2473, 31.6984



29.3472, 31.2473, 37.1167



30.7983, 31.2473, 33.4021

Complementary

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



28.9740, 31.2473, 31.6984



28.6074, 29.3425, 34.2944

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.



30.7611, 31.2473, 35.0463



28.9740, 31.2473, 31.6984



29.9183, 31.2473, 37.2271

Square

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



28.9740, 31.2473, 31.6984



28.8764, 31.2473, 36.1616



30.4373, 31.2473, 36.4586



30.5383, 31.2473, 31.9704

Rectangle

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



28.9740, 31.2473, 31.6984



28.6065, 31.2473, 34.0985



30.4373, 31.2473, 36.4586



30.8202, 31.2473, 33.9476

Sweetspot

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



28.9749, 31.2486, 31.6991



53.6946, 56.8016, 60.9037



29.2273, 30.6509, 31.5704



11.8634, 12.5456, 13.4646



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



28.9749, 31.2486, 31.6991



51.6283, 55.8389, 56.1754



28.4709, 30.9846, 31.8655



6.6003, 7.1557, 7.1488



11.2836, 19.7928, 3.2257



0.2091, 0.3167, 0.0501

Inverse Universe

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



28.6074, 29.3425, 34.2944



50.8976, 52.0488, 61.3358



29.1282, 29.6154, 34.1179



6.4988, 6.6290, 7.8660



8.0739, 3.6133, 25.1796



0.1623, 0.0754, 0.3784

Previews

White Background



This preview shows how the XYZ color 28.9740, 31.2473, 31.6984 looks on a white background.

Color Contrast Check

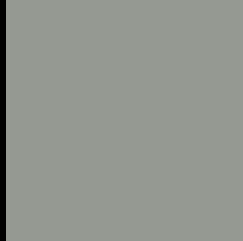
Large Text (above 18pt) WCAG AA × Fail

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 28.9740, 31.2473, 31.6984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

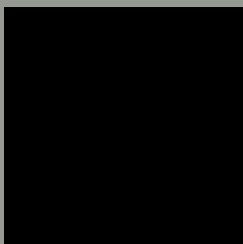
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

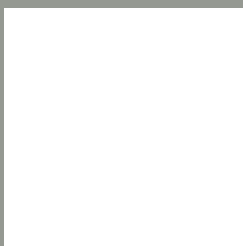
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9740, 31.2473, 31.6984

Background



This preview shows how black text looks on a background with the XYZ color 28.9740, 31.2473, 31.6984.



This preview shows how white text looks on a background with the XYZ color 28.9740, 31.2473,

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

28.9740, 31.2473, 31.6984

Protanopia

29.8877, 31.2455, 31.2438

Deuteranopia

31.8486, 31.2989, 31.9664



Tritanopia

30.5371, 31.4173, 38.6371

Trichromacy



Original Color

28.9740, 31.2473, 31.6984

Protanomaly

29.4759, 31.2731, 31.2708

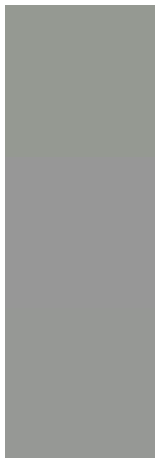
Deuteranomaly

30.7118, 31.1785, 32.0031

Tritanomaly

29.9915, 31.4361, 35.9395

Monochromacy



Original Color

28.9740, 31.2473, 31.6984

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2307, 31.1104, 32.8981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9740, 31.2473, 31.6984 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, 153, 146)` looks like.

```
.text, #text, p{  
    color:rgb(149, 153, 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(149, 153, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 153, 146) }
```

Border

The CSS property to change the border of an element to XYZ 28.9740, 31.2473, 31.6984 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, 153, 146) }
```


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

```
.border{ border-color:rgb(149, 153, 146) }
```

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

Here you see how a box with a 4 pixel rgb(149, 153, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 153, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 153, 146);  
box-shadow:4px 4px 4px 4px rgb(149, 153,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9740, 31.2473, 31.6984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 153, 146) }
```

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

```
.background{ background-color: rgb(149,  
153, 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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