

Converting Colors

XYZ(29.9983, 30.3449, 31.8798)

Have a look what the booklet for
XYZ(29.9983, 30.3449, 31.8798)
contains.

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Color

**XYZ(29.9983, 30.3449,
31.8798)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9393
RGB	159, 147, 147
RGB Percent	62%, 58%, 58%
CMY	0.3765, 0.4235, 0.4235
CMYK	0.00, 0.08, 0.08, 0.38
HSL	0°, 6%, 60%
HSV	0°, 8%, 62%
XYZ	29.9983, 30.3449, 31.8798
YIQ	150.5880, 7.1520, 2.5440

Conversions

Conversions Part 2

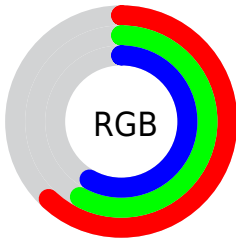
Format	Color
R_{YB}	159, 147, 147
Decimal	10458003
CIE Lab	61.95, 4.43, 1.59
CIE LCh	62, 4.709, 19.765
Yxy	30.3449, 0.3253, 0.3290
Android (android.graphics.Color)	4288648083 (0xFF9F9393)
YUV	150.5880, -1.7689, 4.2477
Hunter-Lab	55.0862, 0.8049, 4.2477

Details

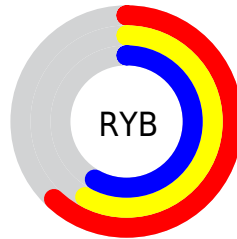
The XYZ color **29.9983, 30.3449, 31.8798** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.6888, 33.5022, 37.6506**, and the grayscale version is **29.2453, 30.7683, 33.5067**.

A 20% lighter version of the original color is **59.1608, 60.2865, 63.7767**, and **12.5249, 12.4170, 13.0458** is the 20% darker color. If you saturate the color by 10%, you get **26.5326, 25.2738, 24.9885**, and if you desaturate by 10%, it is **33.9798, 36.1708, 39.7946**.

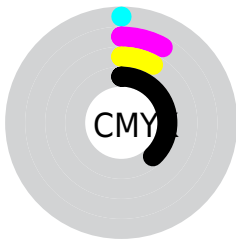
Distribution



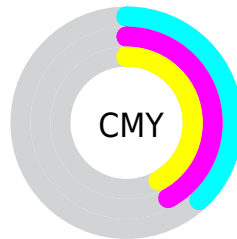
- Red (62%)
- Green (58%)
- Blue (58%)



- Red (62%)
- Yellow (58%)
- Blue (58%)



- Cyan (0%)
- Magenta (8%)
- Yellow (8%)
- Black (38%)



- Cyan (38%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9983, 30.3449, 31.8798 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 29.9983, 30.3449, 31.8798 by changing the saturation by 10% instead.

■ 29.9983, 30.3449,
31.8798

■ 29.9983, 30.3449,
31.8798

293.8065,
303.5088, 325.0472

■ 19.9854, 20.1005,
21.0056

■ 59.0461, 60.2072,
63.7183

■ 12.4926, 12.4681,
12.9368

■ 78.8117, 80.5939,
85.5198

■ 7.1547, 7.0633,
7.2549

102.5590,
105.1302, 111.8007

■ 3.6062, 3.5017,
3.5411

130.6531,
134.2004, 142.9798

■ 1.4819, 1.3990,
1.3771

163.4596,
168.1890, 179.4754

■ 0.3134, 0.2160,
0.1238

201.3438,

■ 0.0000, 0.0000,

207.4803, 221.7061

0.0000

244.6709,
252.4588, 270.0905

■ 29.9983, 30.3449,
31.8798

■ 29.9983, 30.3449,
31.8798

■ 26.5326, 25.2738,
24.9885

■ 33.9798, 36.1708,
39.7946

■ 23.5591, 20.9230,
19.0771

■ 38.4944, 42.7766,
48.7703

■ 21.0565, 17.2609,
14.1018

■ 43.5615, 50.1908,
58.8448

■ 19.0004, 14.2523,
10.0144

■ 49.1989, 58.4395,
70.0533

■ 17.3648, 11.8588,
6.7630

■ 55.4238, 67.5476,
82.4298

■ 16.1204, 10.0379,
4.2897

■ 62.2523, 77.5390,
96.0066

■ 15.2348, 8.7419,
2.5295

■ 68.1083, 86.1111,
107.6392

■ 14.6700, 7.9152,
1.4071

■ 14.3624, 7.4650,
0.7959

Harmonies

Analogous

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



30.0519, 30.3449, 33.6614



29.9983, 30.3449, 31.8798



29.6323, 30.3449, 30.4593

Triad

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



29.9983, 30.3449, 31.8798



27.9260, 30.3449, 30.8475



28.6270, 30.3449, 36.5775

Complementary

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



29.9983, 30.3449, 31.8798



30.6888, 33.5022, 37.6506

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.



28.0657, 30.3449, 35.7634



29.9983, 30.3449, 31.8798



27.6649, 30.3449, 32.4272

Square

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



29.9983, 30.3449, 31.8798



28.4338, 30.3449, 29.8785



27.7156, 30.3449, 34.2289



29.2540, 30.3449, 36.4179

Rectangle

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



29.9983, 30.3449, 31.8798



29.2634, 30.3449, 29.8876



27.7156, 30.3449, 34.2289



28.4245, 30.3449, 36.4075

Sweetspot

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



29.9992, 30.3462, 31.8805



57.5361, 59.9232, 64.6714



30.9903, 30.7421, 37.1019



12.9907, 13.5378, 14.6184



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.



29.9992, 30.3462, 31.8805



52.6551, 52.7811, 54.9672



30.9563, 32.2605, 32.1995



6.6332, 6.6464, 6.9189



11.2934, 5.8225, 0.5286



0.2020, 0.1042, 0.0095

Inverse Universe

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



30.6888, 33.5022, 37.6506



54.1398, 59.5753, 67.3892



29.6823, 31.4892, 37.3151



6.8218, 7.5093, 8.4966



14.7306, 21.5528, 29.2910



0.2634, 0.3854, 0.5237

Previews

White Background



This preview shows how the XYZ color 29.9983, 30.3449, 31.8798 looks on a white background.

Color Contrast Check

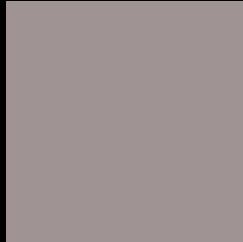
Large Text (above 18pt) WCAG AA × Fail

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 29.9983, 30.3449, 31.8798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

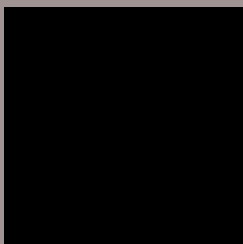
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

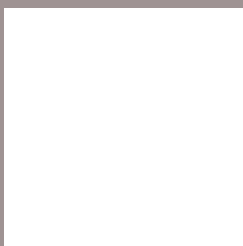
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9983, 30.3449, 31.8798

Background



This preview shows how black text looks on a background with the XYZ color 29.9983, 30.3449, 31.8798.



This preview shows how white text looks on a background with the XYZ color 29.9983, 30.3449,

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

29.9983, 30.3449, 31.8798

Protanopia

29.2296, 30.4053, 32.3452

Deuteranopia

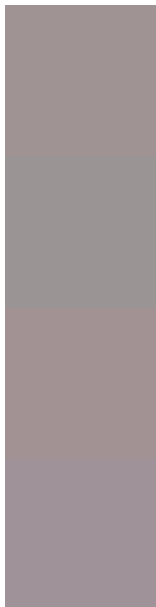
30.9089, 30.3567, 31.8341



Tritanopia

30.7084, 30.1587, 36.1010

Trichromacy



Original Color

29.9983, 30.3449, 31.8798

Protanomaly

29.4528, 30.2865, 32.3105

Deuteranomaly

30.6496, 30.4509, 31.8660

Tritanomaly

30.5259, 30.3313, 34.3826

Monochromacy



Original Color

29.9983, 30.3449, 31.8798

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.7378, 30.8847, 33.2482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9983, 30.3449, 31.8798 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, 147, 147)` looks like.

```
.text, #text, p{  
    color:rgb(159, 147, 147)  
}
```

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, 147, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 147, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.9983, 30.3449, 31.8798 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, 147, 147) }
```


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

```
.border{ border-color:rgb(159, 147, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 147, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 147, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 147, 147);  
box-shadow:4px 4px 4px 4px rgb(159, 147,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9983, 30.3449, 31.8798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 147, 147) }
```

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

```
.background{ background-color: rgb(159,  
147, 147) }
```

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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