

Converting Colors

XYZ(29.3656, 31.7711, 32.1317)

Have a look what the booklet for
XYZ(29.3656, 31.7711, 32.1317)
contains.

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Color

**XYZ(29.3997, 31.7018,
32.1733)**

Conversions

Conversions Part 1

Format	Color
Hex	969A93
RGB	150, 154, 147
RGB Percent	59%, 60%, 58%
CMY	0.4118, 0.3961, 0.4235
CMYK	0.03, 0.00, 0.05, 0.40
HSL	94°, 3%, 59%
HSV	94°, 5%, 60%
XYZ	29.3997, 31.7018, 32.1733
YIQ	152.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

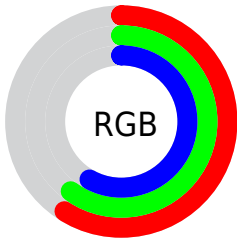
Format	Color
RYB	147, 154, 151
Decimal	9869971
CIELab	63.10, -2.78, 3.16
CIELCh	63, 4.211, 131.369
Yxy	31.7018, 0.3152, 0.3399
Android (android.graphics.Color)	4288060051 (0xFF969A93)
YUV	152.0060, -2.4680, -1.7593
Hunter-Lab	56.3044, -5.3276, 5.5337

Details

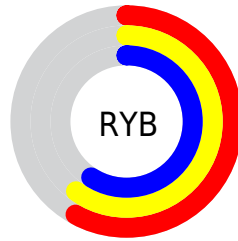
The XYZ color **29.3997, 31.7018, 32.1733** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0302, 29.7807, 34.7917**, and the grayscale version is **29.8587, 31.4137, 34.2095**.

A 20% lighter version of the original color is **58.0003, 62.1662, 64.2007**, and **12.1072, 13.1977, 12.9756** is the 20% darker color. If you saturate the color by 10%, you get **26.7119, 30.4475, 26.1559**, and if you desaturate by 10%, it is **32.3729, 33.0863, 39.0499**.

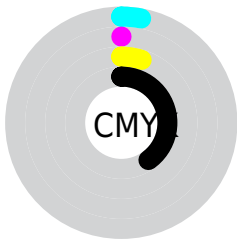
Distribution



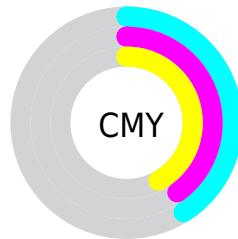
- Red (59%)
- Green (60%)
- Blue (58%)



- Red (58%)
- Yellow (60%)
- Blue (59%)



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



- Cyan (41%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3997, 31.7018, 32.1733 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 29.3997, 31.7018, 32.1733 by changing the saturation by 10% instead.

■ 29.3997, 31.7018,
32.1733

■ 29.3997, 31.7018,
32.1733

291.0565,
309.7586, 326.4250

■ 19.5292, 21.1338,
21.2280

■ 58.1047, 62.3433,
64.1837

■ 12.1595, 13.2219,
13.0979

■ 77.6699, 83.1856,
86.0859

■ 6.9254, 7.5815,
7.3645

101.1974,
108.2216, 112.4775

■ 3.4614, 3.8283,
3.6092

129.0525,
137.8354, 143.7770

■ 1.4022, 1.5780,
1.4135

161.6007,
172.4117, 180.4030

■ 0.2578, 0.3427,
0.1522

199.2071,

■ 0.0000, 0.0000,

212.3347, 222.7739

0.0000

242.2373,
257.9889, 271.3084

■ 29.3997, 31.7018,
32.1733

■ 29.3997, 31.7018,
32.1733

■ 26.7119, 30.4475,
26.1559

■ 32.3729, 33.0863,
39.0499

■ 24.2976, 29.3154,
20.9620

■ 35.6373, 34.6007,
46.8156

■ 22.1484, 28.3027,
16.5562

■ 39.2022, 36.2499,
55.5012

■ 20.2540, 27.4050,
12.9000

■ 43.0753, 38.0373,
65.1356

■ 18.6035, 26.6177,
9.9515

■ 47.2642, 39.9663,
75.7463

■ 17.1851, 25.9357,
7.6646

■ 51.7762, 42.0399,
87.3598

■ 15.9858, 25.3533,
5.9879

■ 56.6184, 44.2614,
100.0014

■ 14.9912, 24.8644,
4.8624

■ 59.2517, 45.6153,
100.2895

■ 14.1838, 24.4617,
4.2152

■ 61.9939, 47.0289,
100.4178

Harmonies

Analogous

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



29.9121, 31.7018, 31.4769



29.3997, 31.7018, 32.1733



29.0859, 31.7018, 33.5063

Triad

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



29.3997, 31.7018, 32.1733



29.7763, 31.7018, 37.6375



31.2395, 31.7018, 33.8914

Complementary

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



29.3997, 31.7018, 32.1733



29.0302, 29.7807, 34.7917

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.



31.2021, 31.7018, 35.5496



29.3997, 31.7018, 32.1733



30.3522, 31.7018, 37.7487

Square

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



29.3997, 31.7018, 32.1733



29.3014, 31.7018, 36.6746



30.8756, 31.7018, 36.9737



30.9773, 31.7018, 32.4474

Rectangle

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



29.3997, 31.7018, 32.1733



29.0291, 31.7018, 34.5943



30.8756, 31.7018, 36.9737



31.2617, 31.7018, 34.4415

Sweetspot

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



29.4006, 31.7032, 32.1740



55.2504, 58.4477, 62.6678



29.6554, 31.1004, 32.0442



12.5130, 13.2328, 14.2015



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.



29.4006, 31.7032, 32.1740



53.1222, 57.4561, 57.7986



28.8923, 31.4369, 32.3418



6.6003, 7.1557, 7.1488



11.2827, 19.7923, 3.2256



0.2091, 0.3167, 0.0501

Inverse Universe

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



29.0302, 29.7807, 34.7917



52.3703, 53.5533, 63.1129



29.5553, 30.0559, 34.6137



6.4988, 6.6290, 7.8660



8.0751, 3.6139, 25.1797



0.1623, 0.0755, 0.3784

Previews

White Background



This preview shows how the XYZ color 29.3997, 31.7018, 32.1733 looks on a white background.

Color Contrast Check

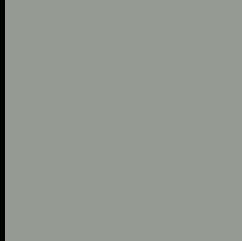
Large Text (above 18pt) WCAG AA × Fail

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 29.3997, 31.7018, 32.1733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

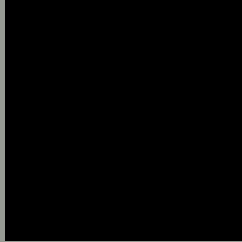
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3997, 31.7018, 32.1733

Background



This preview shows how black text looks on a background with the XYZ color 29.3997, 31.7018, 32.1733.



This preview shows how white text looks on a background with the XYZ color 29.3997, 31.7018,

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

29.3997, 31.7018, 32.1733

Protanopia

30.3212, 31.6999, 31.7147

Deuteranopia

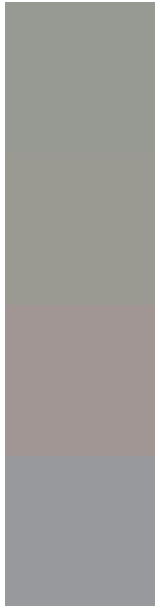
32.2974, 31.7529, 32.4436



Tritanopia

30.9760, 31.8731, 39.1698

Trichromacy



Original Color

29.3997, 31.7018, 32.1733

Protanomaly

29.9060, 31.7278, 31.7420

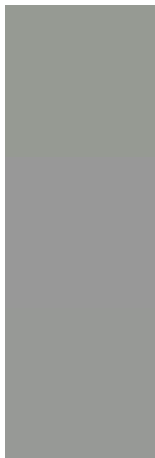
Deuteranomaly

31.1519, 31.6322, 32.4807

Tritanomaly

30.4259, 31.8922, 36.4505

Monochromacy



Original Color

29.3997, 31.7018, 32.1733

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6588, 31.5638, 33.3834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3997, 31.7018, 32.1733 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(150, 154, 147) looks like.

```
.text, #text, p{  
    color:rgb(150, 154, 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(150, 154, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 154, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.3997, 31.7018, 32.1733 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(150, 154, 147) }
```


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

```
.border{ border-color:rgb(150, 154, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 154, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 154, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 154, 147);  
box-shadow:4px 4px 4px 4px rgb(150, 154,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3997, 31.7018, 32.1733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 154, 147) }
```

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

```
.background{ background-color: rgb(150,  
154, 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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