

Converting Colors

XYZ(29.3350, 31.8228, 31.4811)

Have a look what the booklet for
XYZ(29.3350, 31.8228, 31.4811)
contains.

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Color

**XYZ(29.4099, 31.9711,
31.4090)**

Conversions

Conversions Part 1

Format	Color
Hex	969B91
RGB	150, 155, 145
RGB Percent	59%, 61%, 57%
CMY	0.4118, 0.3921, 0.4314
CMYK	0.03, 0.00, 0.06, 0.39
HSL	90°, 5%, 59%
HSV	90°, 6%, 61%
XYZ	29.4099, 31.9711, 31.4090
YIQ	152.3650, 0.2300, -4.1700

Conversions

Conversions Part 2

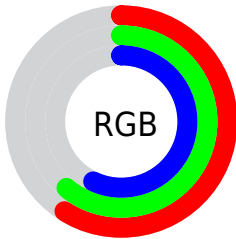
Format	Color
RYB	145, 155, 150
Decimal	9870225
CIELab	63.32, -3.71, 4.61
CIELCh	63, 5.914, 128.809
Yxy	31.9711, 0.3170, 0.3446
Android (android.graphics.Color)	4288060305 (0xFF969B91)
YUV	152.3650, -3.6309, -2.0741
Hunter-Lab	56.5430, -6.1064, 6.6452

Details

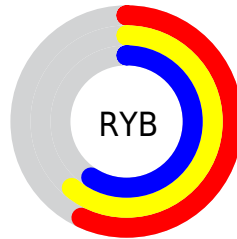
The XYZ color **29.4099, 31.9711, 31.4090** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.6207, 29.1022, 35.1209**, and the grayscale version is **30.0187, 31.5820, 34.3928**.

A 20% lighter version of the original color is **58.0111, 62.5618, 63.0510**, and **12.1615, 13.3795, 12.7680** is the 20% darker color. If you saturate the color by 10%, you get **26.9159, 30.8151, 25.4731**, and if you desaturate by 10%, it is **32.1632, 33.2438, 38.2097**.

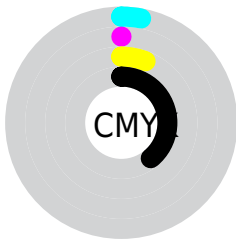
Distribution



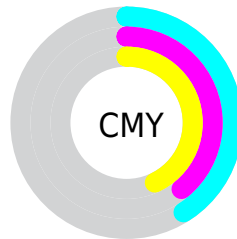
- Red (59%)
- Green (61%)
- Blue (57%)



- Red (57%)
- Yellow (61%)
- Blue (59%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (39%)



- Cyan (41%)
- Magenta (39%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4099, 31.9711, 31.4090 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 29.4099, 31.9711, 31.4090 by changing the saturation by 10% instead.

■ 29.4099, 31.9711,
31.4090

■ 29.4099, 31.9711,
31.4090

291.1035,
310.9876, 322.8275

■ 19.5370, 21.3394,
20.6494

■ 58.1208, 62.7658,
62.9705

■ 12.1652, 13.3723,
12.6792

■ 77.6894, 83.6976,
84.6096

■ 6.9293, 7.6854,
7.0799

101.2207,
108.8315, 110.7122

■ 3.4639, 3.8943,
3.4329

129.0799,
138.5521, 141.6969

■ 1.4035, 1.6146,
1.3197

161.6324,
173.2435, 177.9822

■ 0.2587, 0.3674,
0.0779

199.2436,

■ 0.0000, 0.0000,

213.2903, 219.9867

0.0000

242.2789,
259.0769, 268.1290

■ 29.4099, 31.9711,
31.4090

■ 29.4099, 31.9711,
31.4090

■ 26.9159, 30.8151,
25.4731

■ 32.1632, 33.2438,
38.2097

■ 24.6701, 29.7681,
20.3653

■ 35.1811, 34.6323,
45.9057

■ 22.6646, 28.8277,
16.0492

■ 38.4721, 36.1414,
54.5288

■ 20.8899, 27.9899,
12.4851

■ 42.0433, 37.7741,
64.1084

■ 19.3359, 27.2503,
9.6298

■ 45.9018, 39.5334,
74.6727

■ 17.9913, 26.6044,
7.4356

■ 50.0543, 41.4222,
86.2487

■ 16.8441, 26.0468,
5.8490

■ 54.5072, 43.4432,
98.8624

■ 15.8802, 25.5720,
4.8083

■ 56.9291, 44.6640,
100.2283

■ 15.0798, 25.1715,
4.2217

■ 59.2183, 45.8441,
100.3354

Harmonies

Analogous

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



30.1467, 31.9711, 30.5360



29.4099, 31.9711, 31.4090



28.9408, 31.9711, 33.2039

Triad

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



29.4099, 31.9711, 31.4090



29.8211, 31.9711, 39.1942



31.9728, 31.9711, 34.1240

Complementary

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



29.4099, 31.9711, 31.4090



28.6207, 29.1022, 35.1209

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.



31.8818, 31.9711, 36.4693



29.4099, 31.9711, 31.4090



30.6297, 31.9711, 39.4677

Square

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



29.4099, 31.9711, 31.4090



29.1752, 31.9711, 37.7191



31.3867, 31.9711, 38.4504



31.6331, 31.9711, 32.0566

Rectangle

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



29.4099, 31.9711, 31.4090



28.8380, 31.9711, 34.7173



31.3867, 31.9711, 38.4504



31.9917, 31.9711, 34.9050

Sweetspot

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



29.4108, 31.9725, 31.4097



54.7868, 58.2357, 61.4296



29.5360, 30.8268, 31.1820



12.4142, 13.1876, 13.9376



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.



29.4108, 31.9725, 31.4097



51.8758, 56.8891, 54.3306



28.5102, 31.5082, 31.3675



6.4116, 7.0696, 6.6325



11.9481, 20.1353, 3.2568



0.2205, 0.3226, 0.0506

Inverse Universe

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



28.6207, 29.1022, 35.1209



50.1075, 50.4654, 62.6361



29.5606, 29.5868, 35.1649



6.1640, 6.1704, 7.7951



7.2883, 3.2083, 25.1428



0.1509, 0.0696, 0.3778

Previews

White Background



This preview shows how the XYZ color 29.4099, 31.9711, 31.4090 looks on a white background.

Color Contrast Check

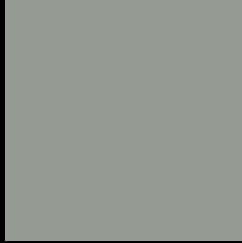
Large Text (above 18pt) WCAG AA × Fail

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 29.4099, 31.9711, 31.4090 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

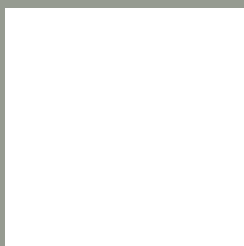
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4099, 31.9711, 31.4090

Background



This preview shows how black text looks on a background with the XYZ color 29.4099, 31.9711, 31.4090.



This preview shows how white text looks on a background with the XYZ color 29.4099, 31.9711,

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

29.4099, 31.9711, 31.4090

Protanopia

30.5258, 32.0652, 30.9659

Deuteranopia

32.3558, 31.8012, 31.6270



Tritanopia

31.0659, 31.9091, 39.6437

Trichromacy



Original Color

29.4099, 31.9711, 31.4090

Protanomaly

30.1072, 32.0934, 30.9934

Deuteranomaly

31.3592, 31.9951, 31.7170

Tritanomaly

30.4259, 31.8922, 36.4505

Monochromacy



Original Color

29.4099, 31.9711, 31.4090

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5785, 31.5317, 32.9610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4099, 31.9711, 31.4090 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, 155, 145)` looks like.

```
.text, #text, p{  
    color:rgb(150, 155, 145)  
}
```

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, 155, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 155, 145) }
```

Border

The CSS property to change the border of an element to XYZ 29.4099, 31.9711, 31.4090 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, 155, 145) }
```


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

```
.border{ border-color:rgb(150, 155, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 155, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 155, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 155, 145);  
box-shadow:4px 4px 4px 4px rgb(150, 155,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4099, 31.9711, 31.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 155, 145) }
```

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

```
.background{ background-color: rgb(150,  
155, 145) }
```

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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