

Converting Colors

XYZ(29.9304, 31.9918, 31.1159)

Have a look what the booklet for
XYZ(29.9304, 31.9918, 31.1159)
contains.

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Color

**XYZ(29.9161, 31.9948,
30.9844)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9A90
RGB	154, 154, 144
RGB Percent	60%, 60%, 56%
CMY	0.3961, 0.3961, 0.4353
CMYK	0.00, 0.00, 0.06, 0.40
HSL	60°, 5%, 58%
HSV	60°, 6%, 60%
XYZ	29.9161, 31.9948, 30.9844
YIQ	152.8600, 3.2100, -3.1100

Conversions

Conversions Part 2

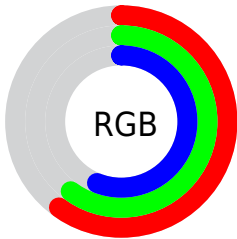
Format	Color
RYB	144, 154, 144
Decimal	10132112
CIELab	63.34, -1.86, 5.24
CIELCh	63, 5.562, 109.559
Yxy	31.9948, 0.3220, 0.3444
Android (android.graphics.Color)	4288322192 (0xFF9A9A90)
YUV	152.8600, -4.3680, 0.9998
Hunter-Lab	56.5639, -4.5801, 7.1171

Details

The XYZ color **29.9161, 31.9948, 30.9844** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.3087, 28.2097, 34.5791**, and the grayscale version is **30.2355, 31.8101, 34.6412**.

A 20% lighter version of the original color is **58.7613, 62.5989, 62.4118**, and **12.4641, 13.3922, 12.5177** is the 20% darker color. If you saturate the color by 10%, you get **28.8181, 31.5566, 25.2022**, and if you desaturate by 10%, it is **31.1765, 32.5001, 37.6138**.

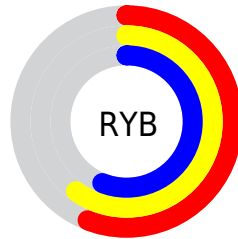
Distribution



Red (60%)

Green (60%)

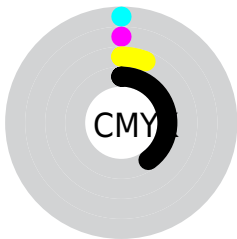
Blue (56%)



Red (56%)

Yellow (60%)

Blue (56%)

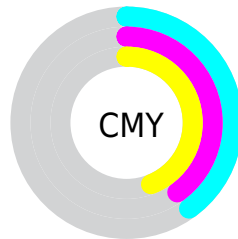


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9161, 31.9948, 30.9844 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 29.9161, 31.9948, 30.9844 by changing the saturation by 10% instead.

■ 29.9161, 31.9948,
30.9844

■ 29.9161, 31.9948,
30.9844

293.4300,
311.0956, 320.8154

■ 19.9227, 21.3575,
20.3286

■ 58.9170, 62.8029,
62.2948

■ 12.4468, 13.3856,
12.4477

■ 78.6552, 83.7426,
83.7865

■ 7.1231, 7.6946,
6.9231

102.3724,
108.8852, 109.7272

■ 3.5862, 3.9002,
3.3363

130.4338,
138.6150, 140.5355

■ 1.4708, 1.6179,
1.2688

163.2050,
173.3166, 176.6300

■ 0.3058, 0.3696,
0.0360

201.0512,

■ 0.0000, 0.0000,

213.3743, 218.4291

0.0000

244.3377,
259.1725, 266.3514

■ 29.9161, 31.9948,
30.9844

■ 29.9161, 31.9948,
30.9844

■ 28.8181, 31.5566,
25.2022

■ 31.1765, 32.5001,
37.6138

■ 27.8734, 31.1786,
20.2310

■ 32.6027, 33.0706,
45.1204

■ 27.0759, 30.8595,
16.0353

■ 34.2013, 33.7102,
53.5353

■ 26.4183, 30.5964,
12.5759

■ 35.9780, 34.4209,
62.8874

■ 25.8925, 30.3860,
9.8105

■ 37.9379, 35.2050,
73.2043

■ 25.4895, 30.2247,
7.6922

■ 40.0861, 36.0643,
84.5128

■ 25.1994, 30.1086,
6.1684

■ 42.4273, 37.0009,
96.8381

■ 25.0107, 30.0330,
5.1784

■ 42.9385, 37.2054,
99.5260

■ 24.9061, 29.9911,
4.6312

■ 42.9392, 37.2058,
99.5260

Harmonies

Analogous

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



30.6798, 31.9948, 30.8230



29.9161, 31.9948, 30.9844



29.2948, 31.9948, 32.1527

Triad

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



29.9161, 31.9948, 30.9844



29.4578, 31.9948, 38.1719



31.8927, 31.9948, 35.6126

Complementary

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



29.9161, 31.9948, 30.9844



27.3087, 28.2097, 34.5791

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.



31.5533, 31.9948, 37.6665



29.9161, 31.9948, 30.9844



30.1420, 31.9948, 39.1850

Square

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



29.9161, 31.9948, 30.9844



29.0334, 31.9948, 36.2789



30.9095, 31.9948, 38.9962



31.8297, 31.9948, 33.4337

Rectangle

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



29.9161, 31.9948, 30.9844



29.0409, 31.9948, 33.3739



30.9095, 31.9948, 38.9962



31.8216, 31.9948, 36.3420

Sweetspot

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



29.9170, 31.9962, 30.9851



55.3264, 58.5138, 61.4549



28.3347, 28.8309, 30.4575



12.5291, 13.2468, 13.9430



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.



29.9170, 31.9962, 30.9851



53.9915, 57.9797, 54.4296



28.9852, 31.5158, 30.9415



6.7088, 7.2228, 6.6464



20.2664, 24.4236, 3.6461



0.3030, 0.3652, 0.0545

Inverse Universe

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



27.3087, 28.2097, 34.5791



48.1038, 49.4325, 62.5424



28.2013, 28.6699, 34.6209



5.8846, 6.0264, 7.7820



4.7525, 1.9011, 25.0242



0.0711, 0.0284, 0.3741

Previews

White Background



This preview shows how the XYZ color 29.9161, 31.9948, 30.9844 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 29.9161, 31.9948, 30.9844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

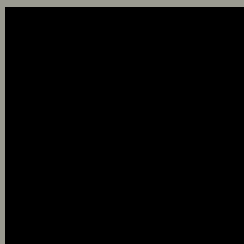
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

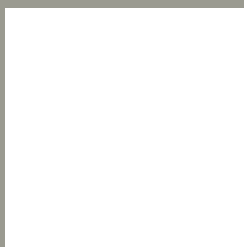
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9161, 31.9948, 30.9844

Background



This preview shows how black text looks on a background with the XYZ color 29.9161, 31.9948, 30.9844.



This preview shows how white text looks on a background with the XYZ color 29.9161, 31.9948,

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

29.9161, 31.9948, 30.9844

Protanopia

30.4497, 32.0347, 30.5651

Deuteranopia

32.4953, 31.8821, 31.2292



Tritanopia

31.5821, 31.9457, 39.1519

Trichromacy



Original Color

29.9161, 31.9948, 30.9844

Protanomaly

30.2538, 31.9337, 30.5559

Deuteranomaly

31.5342, 31.8564, 31.2749

Tritanomaly

30.9393, 31.9247, 35.9839

Monochromacy



Original Color

29.9161, 31.9948, 30.9844

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.0331, 31.7568, 33.4009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9161, 31.9948, 30.9844 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(154, 154, 144) looks like.

```
.text, #text, p{  
    color:rgb(154, 154, 144)  
}
```

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(154, 154, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 154, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.9161, 31.9948, 30.9844 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(154, 154, 144) }
```


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

```
.border{ border-color:rgb(154, 154, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 154, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 154, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 154, 144);  
box-shadow:4px 4px 4px 4px rgb(154, 154,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9161, 31.9948, 30.9844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 154, 144) }
```

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

```
.background{ background-color: rgb(154,  
154, 144) }
```

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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