

# Converting Colors

XYZ(31.8983, 28.9150, 31.0959)

Have a look what the booklet for  
XYZ(31.8983, 28.9150, 31.0959)  
contains.

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# Color

**XYZ(31.8970, 28.9137,  
31.0939)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B08892
RGB	176, 136, 146
RGB Percent	69%, 53%, 57%
CMY	0.3098, 0.4667, 0.4274
CMYK	0.00, 0.23, 0.17, 0.31
HSL	345°, 20%, 61%
HSV	345°, 23%, 69%
XYZ	31.8970, 28.9137, 31.0939
YIQ	149.1000, 20.6300, 11.5900

# Conversions

## Conversions Part 2

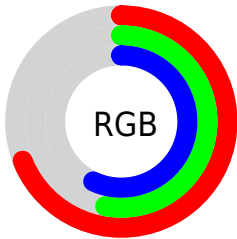
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 136, 146
Decimal	11569298
CIELab	60.71, 16.84, 0.55
CIElCh	61, 16.844, 1.857
Yxy	28.9137, 0.3471, 0.3146
Android (android.graphics.Color)	4289759378 (0xFFB08892)
YUV	149.1000, -1.5283, 23.5913
Hunter-Lab	53.7715, 11.7854, 3.3550

# Details

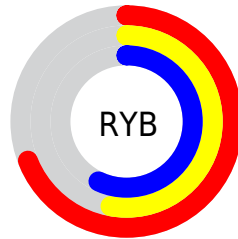
The XYZ color **31.8970, 28.9137, 31.0939** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **32.5628, 39.0389, 41.8973**, and the grayscale version is **28.6099, 30.0999, 32.7787**.

A 20% lighter version of the original color is **61.9016, 57.7211, 62.5223**, and **13.6075, 11.7111, 12.6096** is the 20% darker color. If you saturate the color by 10%, you get **28.6506, 23.9704, 25.2346**, and if you desaturate by 10%, it is **35.6706, 34.7212, 37.7147**.

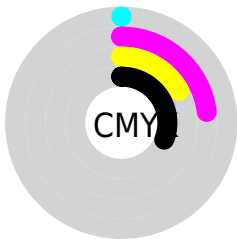
# Distribution



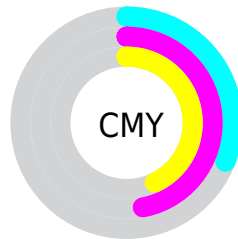
- Red (69%)
- Green (53%)
- Blue (57%)



- Red (69%)
- Yellow (53%)
- Blue (57%)



- Cyan (0%)
- Magenta (23%)
- Yellow (17%)
- Black (31%)




- Cyan (31%)
- Magenta (47%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8970, 28.9137, 31.0939 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 31.8970, 28.9137, 31.0939 by changing the saturation by 10% instead.




 31.8970, 28.9137,  
31.0939


 31.8970, 28.9137,  
31.0939


302.4034,  
296.8076, 321.3353

 21.4380, 19.0155,  
20.4113


 62.0159, 57.9399,  
62.4692

 13.5588, 11.6815,  
12.5073


 82.4064, 77.8368,  
83.9990

 7.8941, 6.5272,  
6.9635


 106.8383,  
101.8354, 109.9815

 4.0785, 3.1682,  
3.3612

135.6767,  
130.3201, 140.8354

 1.7466, 1.2202,  
1.2819

169.2871,  
163.6752, 176.9792

 0.4852, 0.0781,  
0.0469

208.0347,

 0.0000, 0.0000,

202.2853, 218.8314

0.0000

252.2851,  
246.5346, 266.8106

■ 31.8970, 28.9137,  
31.0939

■ 31.8970, 28.9137,  
31.0939

■ 28.6506, 23.9704,  
25.2346

■ 35.6706, 34.7212,  
37.7147

■ 25.9052, 19.8459,  
20.1072

■ 39.9914, 41.4273,  
45.1215

■ 23.6358, 16.4969,  
15.6829


■ 44.8811, 49.0696,  
53.3399


■ 21.8144, 13.8743,  
11.9300


■ 50.3597, 57.6823,  
62.3939

■ 20.4096, 11.9235,  
8.8144


■ 56.4460, 67.2977,  
72.3062


 19.3862, 10.5821,  
6.2987


 63.1582, 77.9469,  
83.0990

 18.7025, 9.7756,  
4.3414

 69.1574, 86.9473,  
94.3413

 18.3591, 9.4120,  
3.2310

 71.1735, 87.7537,  
104.9582

 71.7147, 87.9702,  
107.8079

# Harmonies

## Analogous

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



31.3541, 28.9137, 37.5036



31.8970, 28.9137, 31.0939



31.2057, 28.9137, 25.5504

# Triad

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



31.8970, 28.9137, 31.0939



25.3238, 28.9137, 22.3304



25.5477, 28.9137, 43.3249

# Complementary

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



31.8970, 28.9137, 31.0939



32.5628, 39.0389, 41.8973

# 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.



24.0662, 28.9137, 38.2674



31.8970, 28.9137, 31.0939



23.9419, 28.9137, 26.1423

# Square

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



31.8970, 28.9137, 31.0939



27.3457, 28.9137, 20.9248



23.4937, 28.9137, 31.8735



27.6179, 28.9137, 45.1003



# Rectangle

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



31.8970, 28.9137, 31.0939



30.1582, 28.9137, 22.9376



23.4937, 28.9137, 31.8735



24.9682, 28.9137, 41.9219

# Sweetspot

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



31.8978, 28.9150, 31.0945



68.9598, 69.5812, 75.7491



32.3675, 28.8512, 44.9377



14.8468, 14.9274, 16.2483



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



31.8978, 28.9150, 31.0945



54.9394, 47.9941, 51.1804



32.6283, 31.5667, 27.6673



8.5806, 8.5390, 9.2899



13.4906, 6.9138, 2.4777



0.4483, 0.2271, 0.2032



# Inverse Universe

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



31.8978, 28.9150, 31.0945



54.9394, 47.9941, 51.1804



31.6271, 35.6422, 46.2875



8.5806, 8.5390, 9.2899



13.4906, 6.9138, 2.4777



0.4483, 0.2271, 0.2032



# Previews

## White Background



This preview shows how the XYZ color 31.8970, 28.9137, 31.0939 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

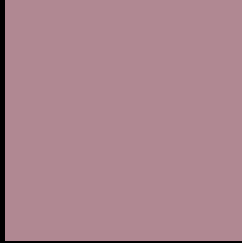
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.8970, 28.9137, 31.0939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

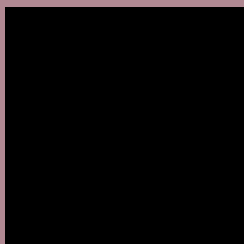
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.8970, 28.9137, 31.0939**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.8970, 28.9137, 31.0939.



This preview shows how white text looks on a background with the XYZ color 31.8970, 28.9137,



# 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

31.8970, 28.9137, 31.0939

### Protanopia

28.1591, 29.1207, 33.8425

### Deuteranopia

29.4818, 28.9674, 30.8255



## Tritanopia

31.8970, 28.9137, 31.0939

# Trichromacy



## Original Color

31.8970, 28.9137, 31.0939

## Protanomaly

29.2786, 28.8171, 32.8733

## Deuteranomaly

30.2148, 28.9075, 30.7753

## Tritanomaly

31.8970, 28.9137, 31.0939

# Monochromacy



## Original Color

31.8970, 28.9137, 31.0939

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

29.6166, 29.4556, 32.1415

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.8970, 28.9137, 31.0939 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(176, 136, 146)` looks like.

```
.text, #text, p{  
    color:rgb(176, 136, 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(176, 136, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 136, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 31.8970, 28.9137, 31.0939 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(176, 136, 146) }
```



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

```
.border{ border-color:rgb(176, 136, 146) }
```

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

Here you see how a box with a 4 pixel rgb(176, 136, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 136, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 136, 146);  
box-shadow:4px 4px 4px 4px rgb(176, 136,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.8970, 28.9137, 31.0939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 136, 146) }
```

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

```
.background{ background-color: rgb(176,  
136, 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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