

Converting Colors

XYZ(31.1765, 28.5081, 27.7173)

Have a look what the booklet for
XYZ(31.1765, 28.5081, 27.7173)
contains.

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Color

**XYZ(31.1559, 28.3930,
27.8831)**

Conversions

Conversions Part 1

Format	Color
Hex	B0878A
RGB	176, 135, 138
RGB Percent	69%, 53%, 54%
CMY	0.3098, 0.4706, 0.4588
CMYK	0.00, 0.23, 0.22, 0.31
HSL	356°, 21%, 61%
HSV	356°, 23%, 69%
XYZ	31.1559, 28.3930, 27.8831
YIQ	147.6010, 23.4730, 9.6250

Conversions

Conversions Part 2

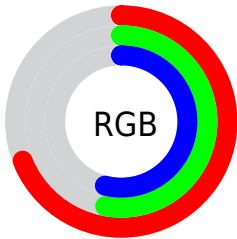
Format	Color
RYB	176, 135, 138
Decimal	11569034
CIELab	60.24, 16.12, 4.45
CIElCh	60, 16.722, 15.420
Yxy	28.3930, 0.3563, 0.3247
Android (android.graphics.Color)	4289759114 (0xFFB0878A)
YUV	147.6010, -4.7333, 24.9059
Hunter-Lab	53.2851, 11.1204, 6.2742

Details

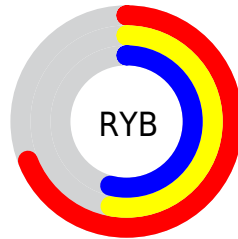
The XYZ color **31.1559, 28.3930, 27.8831** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **33.0609, 39.2193, 45.3646**, and the grayscale version is **27.9951, 29.4530, 32.0743**.

A 20% lighter version of the original color is **60.6659, 56.8838, 57.0725**, and **13.1783, 11.4125, 10.7408** is the 20% darker color. If you saturate the color by 10%, you get **27.8066, 23.4446, 21.3707**, and if you desaturate by 10%, it is **35.0901, 34.2269, 35.4664**.

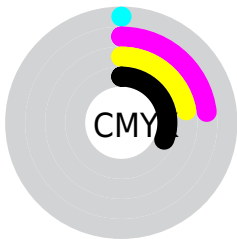
Distribution



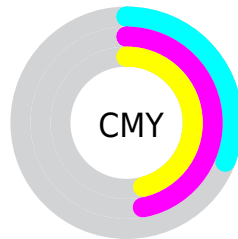
- Red (69%)
- Green (53%)
- Blue (54%)



- Red (69%)
- Yellow (53%)
- Blue (54%)



- Cyan (0%)
- Magenta (23%)
- Yellow (22%)
- Black (31%)





- Cyan (31%)
- Magenta (47%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1559, 28.3930, 27.8831 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 31.1559, 28.3930, 27.8831 by changing the saturation by 10% instead.


 31.1559, 28.3930,
27.8831


 31.1559, 28.3930,
27.8831

299.0700,
294.3401, 305.8022


 20.8700, 18.6221,
17.9993


 60.8596, 57.1113,
57.3186

 13.1409, 11.3976,
10.7800


 81.0081, 76.8275,
77.7074

 7.6033, 6.3349,
5.8068


 105.1749,
100.6275, 102.4349

 3.8919, 3.0498,
2.6611

133.7253,
128.8959, 131.9196

 1.6411, 1.1578,
0.9237

167.0246,
162.0169, 166.5802

 0.4190, 0.0268,
0.0000

205.4383,

 0.0000, 0.0000,

200.3750, 206.8352

0.0000

249.3316,
244.3546, 253.1030

■ 31.1559, 28.3930,
27.8831

■ 31.1559, 28.3930,
27.8831

■ 27.8066, 23.4446,
21.3707

■ 35.0901, 34.2269,
35.4664

■ 25.0121, 19.3346,
15.8793

■ 39.6329, 40.9824,
44.1640

■ 22.7430, 16.0179,
11.3576

■ 44.8094, 48.6984,
54.0189

■ 20.9665, 13.4431,
7.7492

■ 50.6427, 57.4105,
65.0716

■ 19.6457, 11.5533,
4.9918

■ 57.1546, 67.1524,
77.3602

■ 18.7390, 10.2828,
3.0154

■ 64.3661, 77.9561,
90.9216

■ 18.1966, 9.5535,
1.7386

■ 71.2663, 87.7908,
105.4471

■ 17.9764, 9.2589,
1.2159

■ 71.7146, 87.9702,
107.8079

Harmonies

Analogous

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



31.1731, 28.3930, 33.9812



31.1559, 28.3930, 27.8831



29.9827, 28.3930, 23.2502

Triad

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



31.1559, 28.3930, 27.8831



24.1576, 28.3930, 23.3515



25.9629, 28.3930, 43.7966

Complementary

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



31.1559, 28.3930, 27.8831



33.0609, 39.2193, 45.3646

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.



24.1972, 28.3930, 40.1029



31.1559, 28.3930, 27.8831



23.1930, 28.3930, 28.0393

Square

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



31.1559, 28.3930, 27.8831



25.9061, 28.3930, 20.8795



23.2071, 28.3930, 34.1594



28.0969, 28.3930, 43.7401

Rectangle

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



31.1559, 28.3930, 27.8831



28.7368, 28.3930, 21.3796



23.2071, 28.3930, 34.1594



25.3091, 28.3930, 42.9330

Sweetspot

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



31.1567, 28.3943, 27.8837



68.5923, 69.4343, 73.8141



33.6428, 29.3006, 44.9569



14.7613, 14.8932, 15.7982



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.



31.1567, 28.3943, 27.8837



53.2211, 46.6372, 44.1960



33.5203, 33.4639, 27.6157



8.5207, 8.5150, 8.9746



13.1983, 6.7969, 0.9385



0.4236, 0.2172, 0.0731

Inverse Universe

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



31.1567, 28.3943, 27.8837



53.2211, 46.6372, 44.1960



30.2130, 33.0542, 45.8622



8.5207, 8.5150, 8.9746



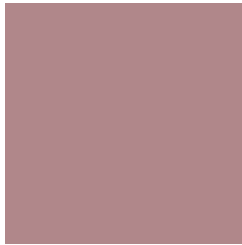
13.1983, 6.7969, 0.9385



0.4236, 0.2172, 0.0731

Previews

White Background



This preview shows how the XYZ color 31.1559, 28.3930, 27.8831 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 31.1559, 28.3930, 27.8831 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 31.1559, 28.3930, 27.8831

Background



This preview shows how black text looks on a background with the XYZ color 31.1559, 28.3930, 27.8831.



This preview shows how white text looks on a background with the XYZ color 31.1559, 28.3930,

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

31.1559, 28.3930, 27.8831

Protanopia

27.2961, 28.5299, 30.0548

Deuteranopia

28.9977, 28.3488, 27.6104



Tritanopia

31.6906, 28.4109, 30.1991

Trichromacy



Original Color

31.1559, 28.3930, 27.8831

Protanomaly

28.4331, 28.2419, 29.1520

Deuteranomaly

29.7523, 28.3079, 27.5628

Tritanomaly

31.5390, 28.3503, 29.4011

Monochromacy



Original Color

31.1559, 28.3930, 27.8831

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.9571, 28.9276, 30.4429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1559, 28.3930, 27.8831 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, 135, 138)` looks like.

```
.text, #text, p{  
    color:rgb(176, 135, 138)  
}
```

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, 135, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 135, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.1559, 28.3930, 27.8831 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, 135, 138) }
```


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

```
.border{ border-color:rgb(176, 135, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 135, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 135, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 135, 138);  
box-shadow:4px 4px 4px 4px rgb(176, 135,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1559, 28.3930, 27.8831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 135, 138) }
```

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

```
.background{ background-color: rgb(176,  
135, 138) }
```

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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