

Converting Colors

XYZ(31.9223, 30.2469, 29.1313)

Have a look what the booklet for
XYZ(31.9223, 30.2469, 29.1313)
contains.

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Color

**XYZ(31.8622, 30.2381,
28.9682)**

Conversions

Conversions Part 1

Format	Color
Hex	AE8E8C
RGB	174, 142, 140
RGB Percent	68%, 56%, 55%
CMY	0.3176, 0.4431, 0.4510
CMYK	0.00, 0.18, 0.20, 0.32
HSL	4°, 17%, 62%
HSV	4°, 20%, 68%
XYZ	31.8622, 30.2381, 28.9682
YIQ	151.3400, 19.7140, 6.1620

Conversions

Conversions Part 2

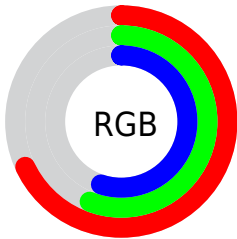
Format	Color
RYB	174, 142, 140
Decimal	11439756
CIELab	61.86, 11.74, 5.61
CIElCh	62, 13.007, 25.539
Yxy	30.2381, 0.3499, 0.3320
Android (android.graphics.Color)	4289629836 (0xFFAE8E8C)
YUV	151.3400, -5.5906, 19.8728
Hunter-Lab	54.9892, 7.1966, 7.2586

Details

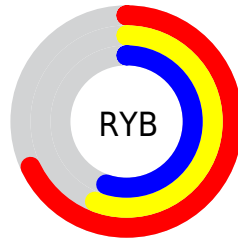
The XYZ color **31.8622, 30.2381, 28.9682** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **33.2075, 38.1357, 45.6554**, and the grayscale version is **29.5790, 31.1194, 33.8891**.

A 20% lighter version of the original color is **62.1107, 60.1979, 59.3847**, and **13.5578, 12.4574, 11.3628** is the 20% darker color. If you saturate the color by 10%, you get **28.4194, 25.2459, 21.9833**, and if you desaturate by 10%, it is **35.8675, 36.0301, 37.1423**.

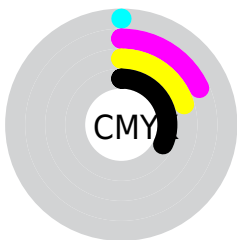
Distribution



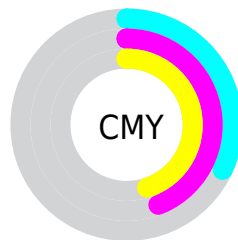
- Red (68%)
- Green (56%)
- Blue (55%)



- Red (68%)
- Yellow (56%)
- Blue (55%)



- Cyan (0%)
- Magenta (18%)
- Yellow (20%)
- Black (32%)





- Cyan (32%)
- Magenta (44%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8622, 30.2381, 28.9682 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 31.8622, 30.2381, 28.9682 by changing the saturation by 10% instead.


 31.8622, 30.2381,
28.9682


 31.8622, 30.2381,
28.9682


302.2475,
303.0127, 311.1211


 21.4113, 20.0194,
18.8114


 61.9617, 60.0385,
59.0681

 13.5392, 12.4091,
11.3586

 82.3409, 80.3890,
79.8484

 7.8804, 7.0230,
6.1914


 106.7604,
104.8855, 105.0068

 4.0697, 3.4765,
2.8912

135.5853,
133.9125, 134.9620

 1.7416, 1.3853,
1.0393

169.1812,
167.8543, 170.1325

 0.4821, 0.2058,
0.0000

207.9132,

 0.0000, 0.0000,

207.0954, 210.9368

0.0000

252.1469,
252.0200, 257.7935

■ 31.8622, 30.2381,
28.9682

■ 31.8622, 30.2381,
28.9682

■ 28.4194, 25.2459,
21.9833

■ 35.8675, 36.0301,
37.1423

■ 25.5116, 21.0144,
16.1304

■ 40.4562, 42.6504,
46.5553

■ 23.1127, 17.5076,
11.3505

■ 45.6514, 50.1314,
57.2565

■ 21.1932, 14.6847,
7.5783

■ 51.4741, 58.5023,
69.2918

■ 19.7210, 12.5011,
4.7418

■ 57.9442, 67.7912,
82.7051

■ 18.6596, 10.9068,
2.7590

■ 65.0808, 78.0246,
97.5381

■ 17.9672, 9.8445,
1.5341

■ 71.2657, 87.7387,
107.7869

■ 17.5798, 9.2399,
0.8799

■ 17.5670, 9.2213,
0.8540

Harmonies

Analogous

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



32.2023, 30.2381, 33.6742



31.8622, 30.2381, 28.9682



30.6730, 30.2381, 25.6471

Triad

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



31.8622, 30.2381, 28.9682



26.0723, 30.2381, 27.8004



28.4813, 30.2381, 43.4166

Complementary

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



31.8622, 30.2381, 28.9682



33.2075, 38.1357, 45.6554

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.



26.8907, 30.2381, 41.4620



31.8622, 30.2381, 28.9682



25.5360, 30.2381, 32.1853

Square

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



31.8622, 30.2381, 28.9682



27.3237, 30.2381, 25.0220



25.8295, 30.2381, 37.2248



30.2053, 30.2381, 42.3362

Rectangle

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



31.8622, 30.2381, 28.9682



29.5830, 30.2381, 24.4995



25.8295, 30.2381, 37.2248



27.9140, 30.2381, 43.0877

Sweetspot

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



31.8630, 30.2395, 28.9688



67.7962, 69.3054, 72.9767



34.3093, 30.7454, 43.3074



14.9540, 15.2387, 15.9853



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.



31.8630, 30.2395, 28.9688



55.2622, 51.1800, 47.3957



34.5362, 35.5857, 29.8599



8.0417, 8.0883, 8.3507



12.7569, 6.7192, 0.6246



0.3669, 0.2109, 0.0214

Inverse Universe

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



33.2075, 38.1357, 45.6554



58.1037, 67.8726, 82.6752



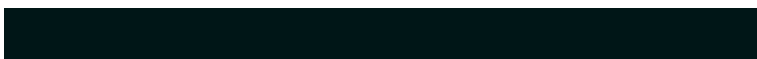
30.2269, 32.1745, 44.6619



8.1953, 8.9900, 10.2560



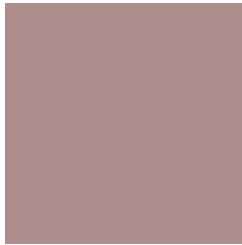
15.1529, 21.4397, 32.3841



0.4334, 0.6202, 0.9049

Previews

White Background



This preview shows how the XYZ color 31.8622, 30.2381, 28.9682 looks on a white background.

Color Contrast Check

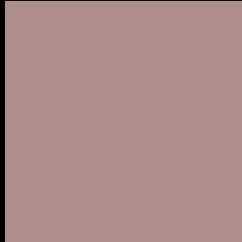
Large Text (above 18pt) WCAG AA × Fail

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 31.8622, 30.2381, 28.9682 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 31.8622, 30.2381, 28.9682

Background



This preview shows how black text looks on a background with the XYZ color 31.8622, 30.2381, 28.9682.



This preview shows how white text looks on a background with the XYZ color 31.8622, 30.2381,

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

31.8622, 30.2381, 28.9682

Protanopia

29.1079, 30.3785, 30.7150

Deuteranopia

30.8553, 30.1648, 29.0071



Tritanopia

32.6432, 30.1045, 33.3684

Trichromacy



Original Color

31.8622, 30.2381, 28.9682

Protanomaly

29.9348, 30.1180, 30.2222

Deuteranomaly

31.1336, 30.0844, 28.9769

Tritanomaly

32.4705, 30.2703, 31.7351

Monochromacy



Original Color

31.8622, 30.2381, 28.9682

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.1544, 30.6573, 31.9319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8622, 30.2381, 28.9682 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(174, 142, 140)` looks like.

```
.text, #text, p{  
    color:rgb(174, 142, 140)  
}
```

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(174, 142, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 142, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.8622, 30.2381, 28.9682 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(174, 142, 140) }
```


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

```
.border{ border-color:rgb(174, 142, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 142, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 142, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 142, 140);  
box-shadow:4px 4px 4px 4px rgb(174, 142,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8622, 30.2381, 28.9682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 142, 140) }
```

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

```
.background{ background-color: rgb(174,  
142, 140) }
```

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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