

Converting Colors

XYZ(31.5732, 31.5830, 28.0080)

Have a look what the booklet for
XYZ(31.5732, 31.5830, 28.0080)
contains.

XYZ(31.4674, 31.4210, 28.0733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4674, 31.4210,
28.0733)**

Conversions

Conversions Part 1

Format	Color
Hex	A99489
RGB	169, 148, 137
RGB Percent	66%, 58%, 54%
CMY	0.3373, 0.4196, 0.4627
CMYK	0.00, 0.12, 0.19, 0.34
HSL	21°, 16%, 60%
HSV	21°, 19%, 66%
XYZ	31.4674, 31.4210, 28.0733
YIQ	153.0250, 16.0470, 1.0310

Conversions

Conversions Part 2

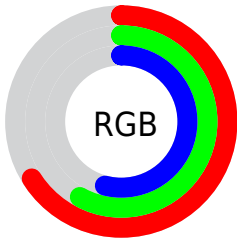
Format	Color
RYB	169, 154, 137
Decimal	11113609
CIELab	62.86, 5.97, 8.67
CIELCh	63, 10.533, 55.440
Yxy	31.4210, 0.3459, 0.3454
Android (android.graphics.Color)	4289303689 (0xFFA99489)
YUV	153.0250, -7.9003, 14.0101
Hunter-Lab	56.0544, 2.1097, 9.5444

Details

The XYZ color **31.4674, 31.4210, 28.0733** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7045, 32.6357, 42.2699**, and the grayscale version is **30.3183, 31.8972, 34.7360**.

A 20% lighter version of the original color is **61.1553, 61.8061, 57.4217**, and **13.3311, 13.0194, 10.8272** is the 20% darker color. If you saturate the color by 10%, you get **28.6922, 27.6609, 21.6284**, and if you desaturate by 10%, it is **34.6009, 35.5932, 35.5753**.

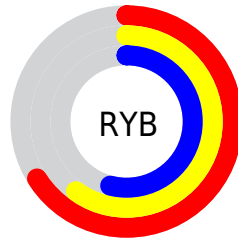
Distribution



Red (66%)

Green (58%)

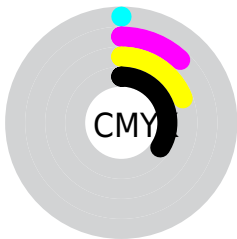
Blue (54%)



Red (66%)

Yellow (60%)

Blue (54%)

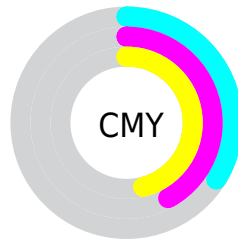


Cyan (0%)

Magenta (12%)

Yellow (19%)

Black (34%)



Cyan (34%)

Magenta (42%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4674, 31.4210, 28.0733 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 31.4674, 31.4210, 28.0733 by changing the saturation by 10% instead.

■ 31.4674, 31.4210,
28.0733

■ 31.4674, 31.4210,
28.0733

300.4745,
308.4732, 306.7400

■ 21.1086, 20.9196,
18.1414

■ 61.3460, 61.9023,
57.6260

■ 13.3163, 13.0653,
10.8811

■ 81.5966, 82.6510,
78.0838

■ 7.7252, 7.4735,
5.8737

■ 105.8751,
107.5843, 102.8874

■ 3.9699, 3.7600,
2.7009

134.5469,
137.0866, 132.4552

■ 1.6851, 1.5402,
0.9439

167.9774,
171.5422, 167.2058

■ 0.4469, 0.3168,
0.0000

206.5319,

■ 0.0000, 0.0000,

211.3356, 207.5578

0.0000

250.5758,
256.8511, 253.9297

■ 31.4674, 31.4210,
28.0733

■ 31.4674, 31.4210,
28.0733

■ 28.6922, 27.6609,
21.6284

■ 34.6009, 35.5932,
35.5753

■ 26.2593, 24.2959,
16.1905

■ 38.1028, 40.1854,
44.1772

■ 24.1550, 21.3136,
11.7087

■ 41.9861, 45.2109,
53.9220

■ 22.3640, 18.6999,
8.1265

■ 46.2622, 50.6808,
64.8497

■ 20.8693, 16.4393,
5.3815

■ 50.9421, 56.6060,
76.9984

■ 19.6522, 14.5153,
3.4033

■ 56.0365, 62.9970,
90.4046

■ 18.6914, 12.9095,
2.1094

■ 61.5068, 69.8442,
104.8473

■ 17.9512, 11.5973,
1.3441

■ 64.6137, 76.0580,
105.8829

■ 17.8810, 11.4725,
1.2720

■ 67.9190, 82.6687,
106.9847

Harmonies

Analogous

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



32.4425, 31.4210, 30.9092



31.4674, 31.4210, 28.0733



30.0860, 31.4210, 26.8828

Triad

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



31.4674, 31.4210, 28.0733



27.1819, 31.4210, 33.5839



31.0732, 31.4210, 41.9059

Complementary

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



31.4674, 31.4210, 28.0733



29.7045, 32.6357, 42.2699

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.



29.6445, 31.4210, 42.7654



31.4674, 31.4210, 28.0733



27.4272, 31.4210, 37.7424

Square

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



31.4674, 31.4210, 28.0733



27.6363, 31.4210, 29.8972



28.3174, 31.4210, 41.1864



32.2098, 31.4210, 38.9234

Rectangle

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



31.4674, 31.4210, 28.0733



29.1317, 31.4210, 27.1064



28.3174, 31.4210, 41.1864



30.6099, 31.4210, 42.4624

Sweetspot

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



31.4682, 31.4224, 28.0740



63.6731, 65.9928, 67.8650



31.5084, 28.8068, 36.3982



13.7963, 14.2761, 14.5922



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.4682, 31.4224, 28.0740



54.0543, 53.1703, 44.8817



34.0936, 36.6731, 28.9491



7.7342, 7.9484, 7.9158



13.3723, 8.6418, 0.9632



0.3728, 0.3052, 0.0393

Inverse Universe

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



29.7045, 32.6357, 42.2699



50.2683, 55.7703, 75.3404



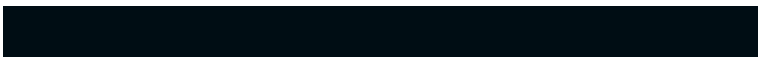
27.2010, 27.6287, 41.4354



7.5271, 8.0912, 9.5834



9.6160, 10.6922, 29.5325



0.2788, 0.3497, 0.7335

Previews

White Background



This preview shows how the XYZ color 31.4674, 31.4210, 28.0733 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 31.4674, 31.4210, 28.0733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

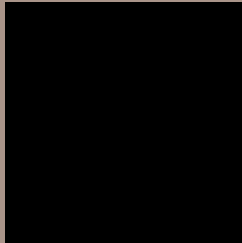
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4674, 31.4210, 28.0733

Background



This preview shows how black text looks on a background with the XYZ color 31.4674, 31.4210, 28.0733.



This preview shows how white text looks on a background with the XYZ color 31.4674, 31.4210,

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

31.4674, 31.4210, 28.0733

Protanopia

29.9890, 31.5897, 28.9429

Deuteranopia

31.9623, 31.4442, 28.0517



Tritanopia

32.9207, 31.3090, 35.7606

Trichromacy



Original Color

31.4674, 31.4210, 28.0733

Protanomaly

30.5543, 31.6496, 28.5433

Deuteranomaly

31.7437, 31.3315, 28.0414

Tritanomaly

32.2813, 31.2737, 32.7688

Monochromacy



Original Color

31.4674, 31.4210, 28.0733

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6311, 31.6107, 32.0908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4674, 31.4210, 28.0733 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(169, 148, 137)` looks like.

```
.text, #text, p{  
    color:rgb(169, 148, 137)  
}
```

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(169, 148, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 148, 137) }
```

Border

The CSS property to change the border of an element to XYZ 31.4674, 31.4210, 28.0733 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(169, 148, 137) }
```


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

```
.border{ border-color:rgb(169, 148, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 148, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 148, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 148, 137);  
box-shadow:4px 4px 4px 4px rgb(169, 148,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4674, 31.4210, 28.0733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 148, 137) }
```

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

```
.background{ background-color: rgb(169,  
148, 137) }
```

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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