

Converting Colors

XYZ(31.7726, 31.8665, 27.0621)

Have a look what the booklet for
XYZ(31.7726, 31.8665, 27.0621)
contains.

XYZ(31.8451, 31.8740, 27.0281)	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(31.8451, 31.8740,
27.0281)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9586
RGB	171, 149, 134
RGB Percent	67%, 58%, 53%
CMY	0.3294, 0.4157, 0.4745
CMYK	0.00, 0.13, 0.22, 0.33
HSL	24°, 18%, 60%
HSV	24°, 22%, 67%
XYZ	31.8451, 31.8740, 27.0281
YIQ	153.8680, 17.9270, -0.0010

Conversions

Conversions Part 2

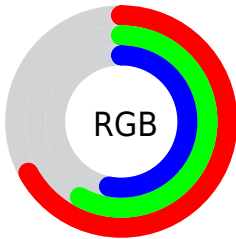
Format	Color
RYB	171, 159, 134
Decimal	11244934
CIELab	63.24, 5.73, 10.92
CIELCh	63, 12.335, 62.332
Yxy	31.8740, 0.3509, 0.3512
Android (android.graphics.Color)	4289435014 (0xFFAB9586)
YUV	153.8680, -9.7949, 15.0248
Hunter-Lab	56.4571, 1.8846, 11.1356

Details

The XYZ color **31.8451, 31.8740, 27.0281** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.0705, 31.7848, 43.1313**, and the grayscale version is **30.6940, 32.2925, 35.1665**.

A 20% lighter version of the original color is **62.0041, 62.6306, 55.8347**, and **13.4391, 13.2270, 10.2323** is the 20% darker color. If you saturate the color by 10%, you get **29.2090, 28.3584, 20.7334**, and if you desaturate by 10%, it is **34.8163, 35.7505, 34.3868**.

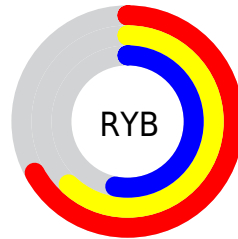
Distribution



Red (67%)

Green (58%)

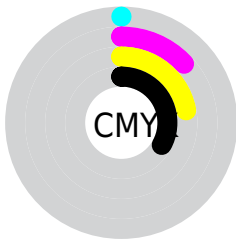
Blue (53%)



Red (67%)

Yellow (62%)

Blue (53%)

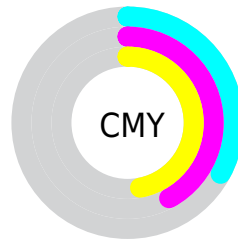


Cyan (0%)

Magenta (13%)

Yellow (22%)

Black (33%)



Cyan (33%)


Magenta (42%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8451, 31.8740, 27.0281 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 31.8451, 31.8740, 27.0281 by changing the saturation by 10% instead.


 31.8451, 31.8740,
27.0281


 31.8451, 31.8740,
27.0281

302.1709,
310.5449, 301.5576


 21.3982, 21.2653,
17.3617


 61.9350, 62.6135,
55.9332

 13.5295, 13.3180,
10.3280


 82.3087, 83.5131,
76.0091

 7.8737, 7.6479,
5.5086


 106.7221,
108.6117, 100.3918

 4.0653, 3.8705,
2.4847

135.5404,
138.2938, 129.4999

 1.7392, 1.6014,
0.8320

169.1291,
172.9438, 163.7520

 0.4806, 0.3585,
0.0000

207.8535,

 0.0000, 0.0000,

212.9461, 203.5667

0.0000

252.0790,
258.6849, 249.3624

■ 31.8451, 31.8740,
27.0281

■ 31.8451, 31.8740,
27.0281

■ 29.2090, 28.3584,
20.7334

■ 34.8163, 35.7505,
34.3868

■ 26.8924, 25.1885,
15.4506

■ 38.1320, 39.9939,
42.8540

■ 24.8827, 22.3542,
11.1265

■ 41.8045, 44.6155,
52.4742

■ 23.1648, 19.8436,
7.7020

■ 45.8447, 49.6248,
63.2888

■ 21.7225, 17.6434,
5.1114

■ 50.2630, 55.0309,
75.3373

■ 20.5377, 15.7397,
3.2798

■ 55.0693, 60.8427,
88.6571

■ 19.5892, 14.1168,
2.1186

■ 60.2733, 67.0686,
103.2843

■ 18.9438, 12.9561,
1.5023

■ 63.2343, 72.6571,
105.2992

■ 66.1519, 78.4924,
106.2717

Harmonies

Analogous

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



33.1542, 31.8740, 29.9168



31.8451, 31.8740, 27.0281



30.1619, 31.8740, 26.1348

Triad

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



31.8451, 31.8740, 27.0281



27.1327, 31.8740, 35.0892



32.0848, 31.8740, 43.2695

Complementary

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



31.8451, 31.8740, 27.0281



29.0705, 31.7848, 43.1313

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.



30.4290, 31.8740, 44.9705



31.8451, 31.8740, 27.0281



27.6057, 31.8740, 39.9794

Square

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



31.8451, 31.8740, 27.0281



27.4803, 31.8740, 30.5208



28.7966, 31.8740, 43.7140



33.2962, 31.8740, 39.2559

Rectangle

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



31.8451, 31.8740, 27.0281



29.0652, 31.8740, 26.7162



28.7966, 31.8740, 43.7140



31.5596, 31.8740, 44.1468

Sweetspot

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



31.8460, 31.8754, 27.0288



65.5604, 68.1476, 69.7212



31.3377, 28.1156, 35.3169



14.5371, 15.0908, 15.3357



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.8460, 31.8754, 27.0288



54.6834, 53.9703, 42.7372



34.9717, 38.1270, 28.0707



8.2619, 8.5286, 8.4241



14.3297, 9.8650, 1.1489



0.4532, 0.3836, 0.0502

Inverse Universe

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



29.0705, 31.7848, 43.1313



48.8090, 53.7755, 76.8091



26.2281, 26.1000, 42.1838



7.9598, 8.5190, 10.1775



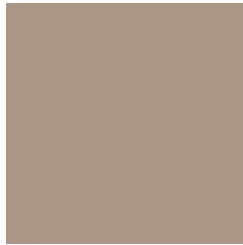
9.1507, 9.4353, 30.3834



0.3064, 0.3662, 0.8625

Previews

White Background



This preview shows how the XYZ color 31.8451, 31.8740, 27.0281 looks on a white background.

Color Contrast Check

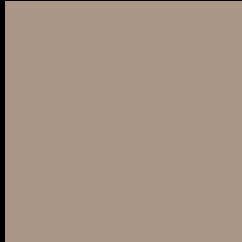
Large Text (above 18pt) WCAG AA × Fail

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 31.8451, 31.8740, 27.0281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

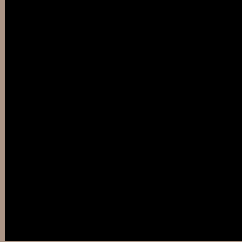
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8451, 31.8740, 27.0281

Background



This preview shows how black text looks on a background with the XYZ color 31.8451, 31.8740, 27.0281.



This preview shows how white text looks on a background with the XYZ color 31.8451, 31.8740,

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

31.8451, 31.8740, 27.0281

Protanopia

30.3324, 32.0336, 27.8770

Deuteranopia

32.5722, 32.0150, 27.0170



Tritanopia

33.8202, 31.9908, 36.2906

Trichromacy



Original Color

31.8451, 31.8740, 27.0281

Protanomaly

30.9113, 32.0983, 27.4881

Deuteranomaly

32.3485, 31.8997, 27.0066

Tritanomaly

33.0921, 31.9216, 32.8511

Monochromacy



Original Color

31.8451, 31.8740, 27.0281

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9919, 32.0366, 32.1540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8451, 31.8740, 27.0281 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(171, 149, 134)` looks like.

```
.text, #text, p{  
    color:rgb(171, 149, 134)  
}
```

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(171, 149, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 149, 134) }
```

Border

The CSS property to change the border of an element to XYZ 31.8451, 31.8740, 27.0281 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(171, 149, 134) }
```


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

```
.border{ border-color:rgb(171, 149, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 149, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 149, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 149, 134);  
box-shadow:4px 4px 4px 4px rgb(171, 149,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8451, 31.8740, 27.0281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 149, 134) }
```

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

```
.background{ background-color: rgb(171,  
149, 134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor