

Converting Colors

XYZ(31.5231, 30.9241, 28.3121)

Have a look what the booklet for
XYZ(31.5231, 30.9241, 28.3121)
contains.

XYZ(31.6609, 31.0507, 28.3694)	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(31.6609, 31.0507,
28.3694)**

Conversions

Conversions Part 1

Format	Color
Hex	AB928A
RGB	171, 146, 138
RGB Percent	67%, 57%, 54%
CMY	0.3294, 0.4274, 0.4588
CMYK	0.00, 0.15, 0.19, 0.33
HSL	15°, 16%, 61%
HSV	15°, 19%, 67%
XYZ	31.6609, 31.0507, 28.3694
YIQ	152.5630, 17.4680, 2.8120

Conversions

Conversions Part 2

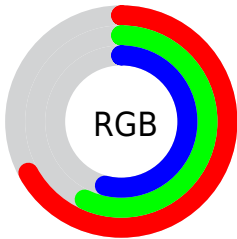
Format	Color
RYB	171, 149, 138
Decimal	11244170
CIELab	62.55, 8.02, 7.69
CIELCh	63, 11.115, 43.792
Yxy	31.0507, 0.3476, 0.3409
Android (android.graphics.Color)	4289434250 (0xFFAB928A)
YUV	152.5630, -7.1796, 16.1692
Hunter-Lab	55.7232, 3.9050, 8.8209

Details

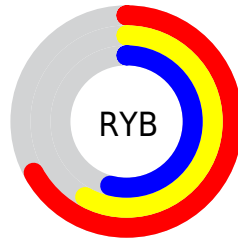
The XYZ color **31.6609, 31.0507, 28.3694** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9288, 34.5370, 43.5644**, and the grayscale version is **30.1140, 31.6823, 34.5020**.

A 20% lighter version of the original color is **61.7368, 61.4010, 57.8879**, and **13.4155, 12.9219, 11.0196** is the 20% darker color. If you saturate the color by 10%, you get **28.6344, 26.8252, 21.7259**, and if you desaturate by 10%, it is **35.1103, 35.8095, 36.1163**.

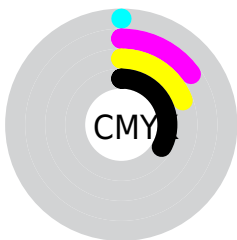
Distribution



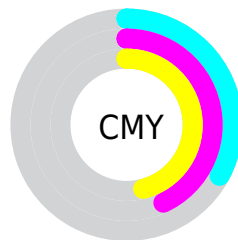
- Red (67%)
- Green (57%)
- Blue (54%)



- Red (67%)
- Yellow (58%)
- Blue (54%)



- Cyan (0%)
- Magenta (15%)
- Yellow (19%)
- Black (33%)



- Cyan (33%)
- Magenta (43%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6609, 31.0507, 28.3694 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 31.6609, 31.0507, 28.3694 by changing the saturation by 10% instead.

■ 31.6609, 31.0507,
28.3694

■ 31.6609, 31.0507,
28.3694

301.3444,
306.7718, 308.1951

■ 21.2569, 20.6375,
18.3628

■ 61.6479, 61.3199,
58.1038

■ 13.4255, 12.8593,
11.0387

■ 81.9616, 81.9446,
78.6688

■ 7.8012, 7.3317,
5.9784

■ 106.3093,
106.7420, 103.5903

■ 4.0187, 3.6704,
2.7633

135.0563,
136.0963, 133.2870

■ 1.7127, 1.4909,
0.9751

168.5679,
170.3921, 168.1772

■ 0.4642, 0.2823,
0.0000

207.2096,

■ 0.0000, 0.0000,

210.0137, 208.6796

0.0000

251.3467,
255.3455, 255.2128

■ 31.6609, 31.0507,
28.3694

■ 31.6609, 31.0507,
28.3694

■ 28.6344, 26.8252,
21.7259

■ 35.1103, 35.8095,
36.1163

■ 26.0116, 23.1102,
16.1335

■ 38.9958, 41.1150,
45.0118

■ 23.7757, 19.8871,
11.5384

■ 43.3329, 46.9856,
55.1009

■ 21.9075, 17.1350,
7.8813

■ 48.1359, 53.4375,
66.4258

■ 20.3862, 14.8311,
5.0965

■ 53.4183, 60.4861,
79.0264

■ 19.1886, 12.9509,
3.1099

■ 59.1930, 68.1464,
92.9409

■ 18.2885, 11.4670,
1.8347

■ 65.0344, 76.2575,
105.8992

■ 17.6428, 10.3438,
1.1012

■ 68.9142, 84.0171,
107.1925

■ 17.6041, 10.2768,
1.0558

■ 70.6047, 87.3980,
107.7560

Harmonies

Analogous

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



32.4264, 31.0507, 31.8631



31.6609, 31.0507, 28.3694



30.3315, 31.0507, 26.4292

Triad

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



31.6609, 31.0507, 28.3694



26.8089, 31.0507, 31.5384



30.2111, 31.0507, 42.5542

Complementary

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



31.6609, 31.0507, 28.3694



30.9288, 34.5370, 43.5644

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.



28.7089, 31.0507, 42.4484



31.6609, 31.0507, 28.3694



26.7791, 31.0507, 35.8325

Square

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



31.6609, 31.0507, 28.3694



27.5467, 31.0507, 28.1493



27.4640, 31.0507, 39.9028



31.5702, 31.0507, 40.1805

Rectangle

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



31.6609, 31.0507, 28.3694



29.3209, 31.0507, 26.1649



27.4640, 31.0507, 39.9028



29.7054, 31.0507, 42.8133

Sweetspot

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



31.6617, 31.0521, 28.3701



65.0153, 67.0573, 69.5395



32.5211, 29.4903, 38.7698



14.4038, 14.8242, 15.2912



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.



31.6617, 31.0521, 28.3701



54.3870, 52.3890, 45.6860



34.3379, 36.4043, 29.2621



8.1571, 8.3191, 8.3892



13.3064, 7.8184, 0.8078



0.4126, 0.3024, 0.0366

Inverse Universe

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



30.9288, 34.5370, 43.5644



52.8382, 59.7383, 77.7477



28.2349, 29.1492, 42.6665



8.0693, 8.7380, 10.2140



11.5543, 14.2424, 31.1846



0.3606, 0.4746, 0.8806

Previews

White Background



This preview shows how the XYZ color 31.6609, 31.0507, 28.3694 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 31.6609, 31.0507, 28.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

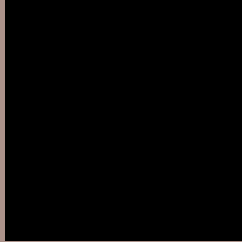
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6609, 31.0507, 28.3694

Background



This preview shows how black text looks on a background with the XYZ color 31.6609, 31.0507, 28.3694.



This preview shows how white text looks on a background with the XYZ color 31.6609, 31.0507,

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

31.6609, 31.0507, 28.3694

Protanopia

29.7790, 31.2244, 29.6567

Deuteranopia

31.6609, 31.0507, 28.3694



Tritanopia

33.1232, 31.1973, 35.2862

Trichromacy



Original Color

31.6609, 31.0507, 28.3694

Protanomaly

30.3814, 31.0697, 29.2067

Deuteranomaly

31.6609, 31.0507, 28.3694

Tritanomaly

32.5635, 31.1914, 32.7380

Monochromacy



Original Color

31.6609, 31.0507, 28.3694

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7488, 31.4244, 32.4618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6609, 31.0507, 28.3694 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, 146, 138)` looks like.

```
.text, #text, p{  
    color:rgb(171, 146, 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(171, 146, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 146, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.6609, 31.0507, 28.3694 is called "border". The border property can be set on classes, ids or directly on the HTML element.

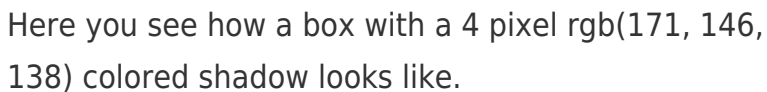
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 146, 138) }
```


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

```
.border{ border-color:rgb(171, 146, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 146, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 146, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 146, 138); box-shadow:4px 4px 4px 4px rgb(171, 146, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6609, 31.0507, 28.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 146, 138) }
```

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

```
.background{ background-color: rgb(171,  
146, 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](#).

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