

Converting Colors

XYZ(31.2731, 30.7315, 32.2847)

Have a look what the booklet for
XYZ(31.2731, 30.7315, 32.2847)
contains.

XYZ(31.3501, 30.8029, 32.3102)	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(31.3501, 30.8029,
32.3102)**

Conversions

Conversions Part 1

Format	Color
Hex	A69294
RGB	166, 146, 148
RGB Percent	65%, 57%, 58%
CMY	0.3490, 0.4274, 0.4196
CMYK	0.00, 0.12, 0.11, 0.35
HSL	354°, 10%, 61%
HSV	354°, 12%, 65%
XYZ	31.3501, 30.8029, 32.3102
YIQ	152.2080, 11.2780, 4.8620

Conversions

Conversions Part 2

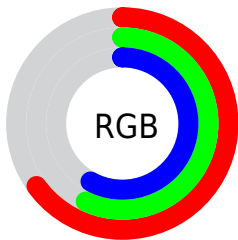
Format	Color
R_{YB}	166, 146, 148
Decimal	10916500
CIE Lab	62.34, 7.79, 1.67
CIE LCh	62, 7.965, 12.104
Yxy	30.8029, 0.3319, 0.3261
Android (android.graphics.Color)	4289106580 (0xFFA69294)
YUV	152.2080, -2.0745, 12.0956
Hunter-Lab	55.5004, 3.7024, 4.3339

Details

The XYZ color **31.3501, 30.8029, 32.3102** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1924, 36.0646, 40.3883**, and the grayscale version is **29.9408, 31.5001, 34.3036**.

A 20% lighter version of the original color is **61.1337, 60.9450, 64.4186**, and **13.2800, 12.8062, 13.0812** is the 20% darker color. If you saturate the color by 10%, you get **27.8673, 25.6093, 25.6859**, and if you desaturate by 10%, it is **35.3589, 36.8034, 39.8639**.

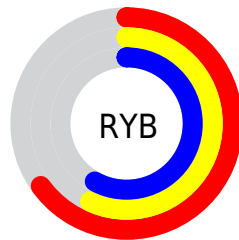
Distribution



Red (65%)

Green (57%)

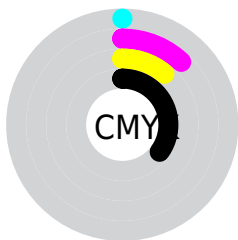
Blue (58%)



Red (65%)

Yellow (57%)

Blue (58%)

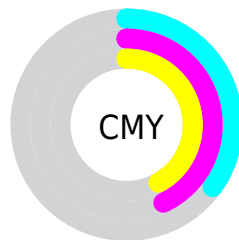


Cyan (0%)

Magenta (12%)

Yellow (11%)

Black (35%)



Cyan (35%)

Magenta (43%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3501, 30.8029, 32.3102 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 31.3501, 30.8029, 32.3102 by changing the saturation by 10% instead.

■ 31.3501, 30.8029,
32.3102

■ 31.3501, 30.8029,
32.3102

299.9462,
305.6293, 327.0661

■ 21.0187, 20.4488,
21.3318

■ 61.1629, 60.9296,
64.4006

■ 13.2502, 12.7217,
13.1731

■ 81.3751, 81.4710,
86.3497

■ 7.6793, 7.2372,
7.4157

105.6116,
106.1770, 112.7927

■ 3.9405, 3.6109,
3.6411

134.2378,
135.4320, 144.1482

■ 1.6685, 1.4584,
1.4306

167.6189,
169.6203, 180.8348

■ 0.4364, 0.2592,
0.1654

206.1205,

■ 0.0000, 0.0000,

209.1263, 223.2709

0.0000

250.1078,
254.3345, 271.8752

■ 31.3501, 30.8029,
32.3102

■ 31.3501, 30.8029,
32.3102

■ 27.8673, 25.6093,
25.6859

■ 35.3589, 36.8034,
39.8639

■ 24.8863, 21.1844,
19.9532

■ 39.9115, 43.6390,
48.3789

■ 22.3845, 17.4928,
15.0745

■ 45.0284, 51.3413,
57.8882

■ 20.3369, 14.4950,
11.0089

■ 50.7277, 59.9393,
68.4223

■ 18.7160, 12.1474,
7.7120

■ 57.0272, 69.4604,
80.0107

■ 17.4915, 10.4018,
5.1353

■ 63.9437, 79.9311,
92.6815

■ 16.6289, 9.2031,
3.2246

■ 69.1516, 86.6933,
105.6813

■ 16.0878, 8.4862,
1.9179

■ 69.5361, 86.8471,
107.7060

■ 15.8240, 8.1462,
1.2515

Harmonies

Analogous

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



31.2934, 30.8029, 35.3957



31.3501, 30.8029, 32.3102



30.8414, 30.8029, 29.7160

Triad

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



31.3501, 30.8029, 32.3102



27.9099, 30.8029, 29.3266



28.6452, 30.8029, 39.5085

Complementary

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



31.3501, 30.8029, 32.3102



32.1924, 36.0646, 40.3883

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.



27.7668, 30.8029, 37.6769



31.3501, 30.8029, 32.3102



27.3496, 30.8029, 31.7487

Square

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



31.3501, 30.8029, 32.3102



28.8449, 30.8029, 28.0655



27.2978, 30.8029, 34.7988



29.7138, 30.8029, 39.6818

Rectangle

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



31.3501, 30.8029, 32.3102



30.2573, 30.8029, 28.5636



27.2978, 30.8029, 34.7988



28.3186, 30.8029, 39.0613

Sweetspot

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



31.3510, 30.8043, 32.3109



62.6183, 64.4650, 69.4291



32.4726, 31.2049, 40.3885



13.8893, 14.2410, 15.3047



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.



31.3510, 30.8043, 32.3109



55.4180, 53.6952, 55.8356



32.4708, 33.2947, 31.9109



7.5604, 7.5540, 8.0024



12.2793, 6.3204, 1.0162



0.3079, 0.1574, 0.0727

Inverse Universe

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



31.3510, 30.8043, 32.3109



55.4180, 53.6952, 55.8356



30.9650, 33.3190, 40.8760



7.5604, 7.5540, 8.0024



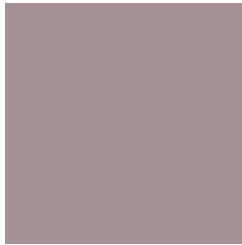
12.2793, 6.3204, 1.0162



0.3079, 0.1574, 0.0727

Previews

White Background



This preview shows how the XYZ color 31.3501, 30.8029, 32.3102 looks on a white background.

Color Contrast Check

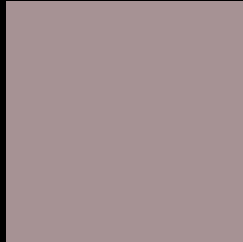
Large Text (above 18pt) WCAG AA × Fail

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 31.3501, 30.8029, 32.3102 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

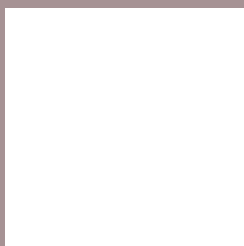
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3501, 30.8029, 32.3102

Background



This preview shows how black text looks on a background with the XYZ color 31.3501, 30.8029, 32.3102.



This preview shows how white text looks on a background with the XYZ color 31.3501, 30.8029,

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

31.3501, 30.8029, 32.3102

Protanopia

29.5482, 30.7870, 33.2393

Deuteranopia

31.3501, 30.8029, 32.3102



Tritanopia

32.0625, 30.8666, 35.7205

Trichromacy



Original Color

31.3501, 30.8029, 32.3102

Protanomaly

30.2728, 30.9339, 32.8091

Deuteranomaly

31.3501, 30.8029, 32.3102

Tritanomaly

31.8115, 30.7662, 34.3988

Monochromacy



Original Color

31.3501, 30.8029, 32.3102

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3969, 31.2152, 33.7012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3501, 30.8029, 32.3102 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(166, 146, 148)` looks like.

```
.text, #text, p{  
    color:rgb(166, 146, 148)  
}
```

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(166, 146, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 146, 148) }
```

Border

The CSS property to change the border of an element to XYZ 31.3501, 30.8029, 32.3102 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(166, 146, 148) }
```


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

```
.border{ border-color:rgb(166, 146, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 146, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 146, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 146, 148);  
box-shadow:4px 4px 4px 4px rgb(166, 146,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3501, 30.8029, 32.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 146, 148) }
```

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

```
.background{ background-color: rgb(166,  
146, 148) }
```

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