

Converting Colors

XYZ(31.6792, 33.6414, 29.7131)

Have a look what the booklet for
XYZ(31.6792, 33.6414, 29.7131)
contains.

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Color

**XYZ(31.6909, 33.6888,
29.6432)**

Conversions

Conversions Part 1

Format	Color
Hex	A29D8C
RGB	162, 157, 140
RGB Percent	64%, 62%, 55%
CMY	0.3647, 0.3843, 0.4510
CMYK	0.00, 0.03, 0.14, 0.36
HSL	46°, 11%, 59%
HSV	46°, 14%, 64%
XYZ	31.6909, 33.6888, 29.6432
YIQ	156.5570, 8.4370, -4.2270

Conversions

Conversions Part 2

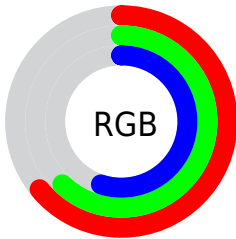
Format	Color
R_{YB}	146, 162, 140
Decimal	10657164
CIE _{Lab}	64.71, -1.20, 9.54
CIE _{LCh}	65, 9.614, 97.150
Yxy	33.6888, 0.3335, 0.3545
Android (android.graphics.Color)	4288847244 (0xFFA29D8C)
YUV	156.5570, -8.1626, 4.7735
Hunter-Lab	58.0421, -4.1128, 10.3489

Details

The XYZ color **31.6909, 33.6888, 29.6432** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.4621, 28.4343, 38.2237**, and the grayscale version is **31.8825, 33.5429, 36.5282**.

A 20% lighter version of the original color is **61.8964, 65.7337, 60.4645**, and **13.4299, 14.3613, 11.7370** is the 20% darker color. If you saturate the color by 10%, you get **29.9704, 32.0206, 23.6039**, and if you desaturate by 10%, it is **33.6079, 35.4678, 36.6165**.

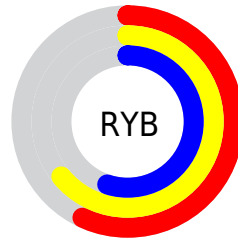
Distribution



Red (64%)

Green (62%)

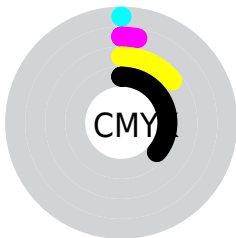
Blue (55%)



Red (57%)

Yellow (64%)

Blue (55%)

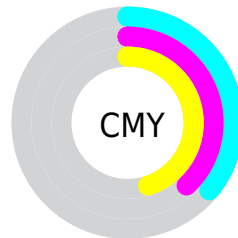


Cyan (0%)

Magenta (3%)

Yellow (14%)

Black (36%)



Cyan (36%)

Magenta (38%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6909, 33.6888, 29.6432 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 31.6909, 33.6888, 29.6432 by changing the saturation by 10% instead.

■ 31.6909, 33.6888,
29.6432

■ 31.6909, 33.6888,
29.6432

301.4792,
318.7422, 314.3931

■ 21.2799, 22.6546,
19.3182

■ 61.6947, 65.4494,
60.1518

■ 13.4424, 14.3387,
11.7213

■ 82.0182, 86.9447,
81.1724

■ 7.8130, 8.3566,
6.4340

■ 106.3766,
112.6958, 106.5953

■ 4.0263, 4.3240,
3.0377

135.1352,
143.0870, 136.8391

■ 1.7170, 1.8564,
1.1139

168.6594,
178.5029, 172.3222

■ 0.4669, 0.5220,
0.0000

207.3146,

■ 0.0000, 0.0000,

219.3278, 213.4632

0.0000

251.4660,
265.9461, 260.6807

■ 31.6909, 33.6888,
29.6432

■ 31.6909, 33.6888,
29.6432

■ 29.9704, 32.0206,
23.6039

■ 33.6079, 35.4678,
36.6165

■ 28.4359, 30.4554,
18.4560

■ 35.7259, 37.3564,
44.5596

■ 27.0798, 28.9911,
14.1570

■ 38.0529, 39.3591,
53.5090

■ 25.8930, 27.6237,
10.6599

■ 40.5955, 41.4788,
63.4986

■ 24.8657, 26.3490,
7.9131

■ 43.3599, 43.7182,
74.5608

■ 23.9868, 25.1623,
5.8590

■ 46.3521, 46.0800,
86.7265

■ 23.2434, 24.0583,
4.4315

■ 49.5780, 48.5668,
100.0256

■ 22.6205, 23.0305,
3.5518

■ 50.6019, 50.2045,
101.6312

■ 22.2603, 22.4012,
3.1506

■ 51.3895, 51.7796,
101.8937

Harmonies

Analogous

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



33.0621, 33.6888, 30.1120



31.6909, 33.6888, 29.6432



30.4437, 33.6888, 30.9493

Triad

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



31.6909, 33.6888, 29.6432



29.9506, 33.6888, 41.4669



34.5293, 33.6888, 39.7135

Complementary

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



31.6909, 33.6888, 29.6432



27.4621, 28.4343, 38.2237

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.



33.6502, 33.6888, 43.0808



31.6909, 33.6888, 29.6432



31.0004, 33.6888, 44.1429

Square

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



31.6909, 33.6888, 29.6432



29.4578, 33.6888, 37.6359



32.3518, 33.6888, 44.7538



34.7270, 33.6888, 35.7432

Rectangle

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



31.6909, 33.6888, 29.6432



29.8414, 33.6888, 32.7101



32.3518, 33.6888, 44.7538



34.3025, 33.6888, 40.9618

Sweetspot

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



31.6918, 33.6903, 29.6439



60.8313, 64.2243, 65.8053



29.3999, 28.4864, 30.7913



13.6031, 14.3704, 14.5610



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.6918, 33.6903, 29.6439



56.6481, 60.3170, 50.6636



31.3904, 34.8157, 29.8770



7.5124, 7.9632, 7.5212



17.5704, 17.7147, 2.4932



0.4010, 0.4358, 0.0630

Inverse Universe

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



27.4621, 28.4343, 38.2237



47.5995, 49.0734, 69.0195



27.7304, 27.4640, 38.0223



6.8249, 7.1089, 8.9155



5.6821, 3.1435, 27.2371



0.1520, 0.1312, 0.5832

Previews

White Background



This preview shows how the XYZ color 31.6909, 33.6888, 29.6432 looks on a white background.

Color Contrast Check

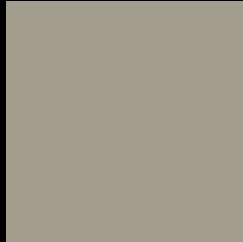
Large Text (above 18pt) WCAG AA × Fail

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 31.6909, 33.6888, 29.6432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

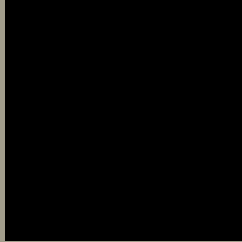
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

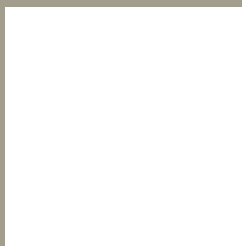
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6909, 33.6888, 29.6432

Background



This preview shows how black text looks on a background with the XYZ color 31.6909, 33.6888, 29.6432.



This preview shows how white text looks on a background with the XYZ color 31.6909, 33.6888,

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

31.6909, 33.6888, 29.6432

Protanopia

31.9319, 33.5629, 29.6062

Deuteranopia

34.2344, 33.5213, 29.8652



Tritanopia

33.6998, 33.4984, 40.2870

Trichromacy



Original Color

31.6909, 33.6888, 29.6432

Protanomaly

31.7263, 33.4569, 29.5966

Deuteranomaly

33.2122, 33.4762, 29.9104

Tritanomaly

32.8662, 33.4040, 36.1679

Monochromacy



Original Color

31.6909, 33.6888, 29.6432

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9410, 33.7192, 34.1032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6909, 33.6888, 29.6432 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(162, 157, 140)` looks like.

```
.text, #text, p{  
    color:rgb(162, 157, 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(162, 157, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 157, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.6909, 33.6888, 29.6432 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(162, 157, 140) }
```


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

```
.border{ border-color:rgb(162, 157, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 157, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 157, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 157, 140);  
box-shadow:4px 4px 4px 4px rgb(162, 157,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6909, 33.6888, 29.6432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 157, 140) }
```

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

```
.background{ background-color: rgb(162,  
157, 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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