

Converting Colors

XYZ(29.0480, 31.4584, 12.9631)

Have a look what the booklet for
XYZ(29.0480, 31.4584, 12.9631)
contains.

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Color

**XYZ(28.9769, 31.4214,
12.9252)**

Conversions

Conversions Part 1

Format	Color
Hex	A89854
RGB	168, 152, 84
RGB Percent	66%, 60%, 33%
CMY	0.3412, 0.4039, 0.6706
CMYK	0.00, 0.10, 0.50, 0.34
HSL	49°, 33%, 49%
HSV	49°, 50%, 66%
XYZ	28.9769, 31.4214, 12.9252
YIQ	149.0320, 31.3640, -17.7560

Conversions

Conversions Part 2

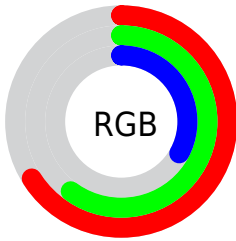
Format	Color
RYB	104, 168, 84
Decimal	11049044
CIELab	62.86, -3.40, 37.68
CIELCh	63, 37.829, 95.162
Yxy	31.4214, 0.3952, 0.4285
Android (android.graphics.Color)	4289239124 (0xFFA89854)
YUV	149.0320, -32.0608, 16.6349
Hunter-Lab	56.0548, -5.8223, 25.5672

Details

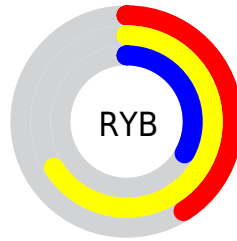
The XYZ color **28.9769, 31.4214, 12.9252** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.2811, 13.8258, 38.9089**, and the grayscale version is **28.7026, 30.1974, 32.8850**.

A 20% lighter version of the original color is **57.4958, 61.8994, 31.8391**, and **11.9115, 13.0121, 3.5529** is the 20% darker color. If you saturate the color by 10%, you get **27.8843, 30.1659, 9.6950**, and if you desaturate by 10%, it is **30.2429, 32.7710, 16.9926**.

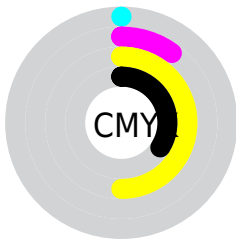
Distribution



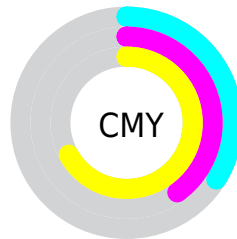
- Red (66%)
- Green (60%)
- Blue (33%)



- Red (41%)
- Yellow (66%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (50%)
- Black (34%)



- Cyan (34%)
- Magenta (40%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9769, 31.4214, 12.9252 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 28.9769, 31.4214, 12.9252 by changing the saturation by 10% instead.

■ 28.9769, 31.4214,
12.9252

■ 28.9769, 31.4214,
12.9252

289.1021,
308.4750, 221.6287

■ 19.2075, 20.9199,
7.2469

■ 57.4382, 61.9029,
31.8586

■ 11.9252, 13.0655,
3.5362

■ 76.8608, 82.6518,
45.9507

■ 6.7646, 7.4737,
1.3745

■ 100.2320,
107.5852, 63.6846

■ 3.3604, 3.7601,
0.1217

■ 127.9169,
137.0876, 85.4787

■ 1.3471, 1.5403,
0.0000

■ 160.2810,
171.5434, 111.7517

■ 0.2180, 0.3168,
0.0000

197.6897,

■ 0.0000, 0.0000,

211.3370, 142.9220

0.0000

240.5083,
256.8527, 179.4081

■ 28.9769, 31.4214,
12.9252

■ 28.9769, 31.4214,
12.9252

■ 27.8843, 30.1659,
9.6950

■ 30.2429, 32.7710,
16.9926

■ 26.9511, 28.9952,
7.2394

■ 31.6904, 34.2147,
21.9496

■ 26.1651, 27.9054,
5.4907

■ 33.3298, 35.7579,
27.8468

■ 25.5108, 26.8902,
4.3680

■ 35.1700, 37.4042,
34.7302

■ 24.9538, 25.9357,
3.6909

■ 37.2191, 39.1573,
42.6431

■ 24.9538, 25.9355,
3.6909

■ 39.4850, 41.0203,
51.6259

■ 41.9750, 42.9964,
61.7170

■ 44.6963, 45.0886,
72.9528

■ 47.6554, 47.2996,
85.3681

Harmonies

Analogous

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



34.2522, 31.4214, 14.2905



28.9769, 31.4214, 12.9252



24.4831, 31.4214, 15.7748

Triad

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



28.9769, 31.4214, 12.9252



22.4328, 31.4214, 53.4333



39.8583, 31.4214, 47.6638

Complementary

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



28.9769, 31.4214, 12.9252



15.2811, 13.8258, 38.9089

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.



35.9831, 31.4214, 63.2700



28.9769, 31.4214, 12.9252



25.8696, 31.4214, 67.2206

Square

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



28.9769, 31.4214, 12.9252



20.9947, 31.4214, 36.8468



30.7713, 31.4214, 71.2608



40.9368, 31.4214, 31.7070

Rectangle

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



28.9769, 31.4214, 12.9252



22.4061, 31.4214, 20.3552



30.7713, 31.4214, 71.2608



38.8192, 31.4214, 53.2551

Sweetspot

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



28.9777, 31.4229, 12.9258



62.0131, 66.2757, 56.2045



21.6581, 15.6014, 14.1309



13.3716, 14.3150, 11.7118



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.



28.9777, 31.4229, 12.9258



50.3998, 54.4989, 17.0348



26.8960, 34.4671, 13.6232



8.0237, 8.5274, 8.0123



18.8795, 19.6562, 2.7990



0.4897, 0.5390, 0.0782

Inverse Universe

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



15.2811, 13.8258, 38.9089



22.7039, 18.9517, 69.6865



16.5698, 12.4321, 38.5719



7.2431, 7.5232, 9.4887



5.7565, 2.9732, 28.2460



0.1720, 0.1363, 0.6979

Previews

White Background



This preview shows how the XYZ color 28.9769, 31.4214, 12.9252 looks on a white background.

Color Contrast Check

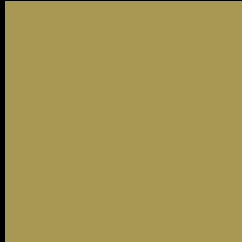
Large Text (above 18pt) WCAG AA × Fail

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 28.9769, 31.4214, 12.9252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

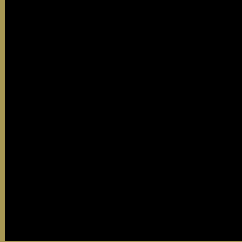
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9769, 31.4214, 12.9252

Background



This preview shows how black text looks on a background with the XYZ color 28.9769, 31.4214, 12.9252.



This preview shows how white text looks on a background with the XYZ color 28.9769, 31.4214,

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

28.9769, 31.4214, 12.9252

Protanopia

28.7648, 31.3121, 12.9153

Deuteranopia

32.0548, 31.3618, 13.1681



Tritanopia

33.5688, 31.4270, 35.3071

Trichromacy



Original Color

28.9769, 31.4214, 12.9252

Protanomaly

28.7648, 31.3121, 12.9153

Deuteranomaly

30.8200, 31.4194, 13.0345

Tritanomaly

31.4094, 31.2231, 25.1401

Monochromacy



Original Color

28.9769, 31.4214, 12.9252

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.3183, 30.3613, 23.7698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9769, 31.4214, 12.9252 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(168, 152, 84)` looks like.

```
.text, #text, p{  
    color:rgb(168, 152, 84)  
}
```

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(168, 152, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 152, 84) }
```

Border

The CSS property to change the border of an element to XYZ 28.9769, 31.4214, 12.9252 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(168, 152, 84) }
```


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

```
.border{ border-color:rgb(168, 152, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 152, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 152, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 152, 84);  
box-shadow:4px 4px 4px 4px rgb(168, 152,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9769, 31.4214, 12.9252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 152, 84) }
```

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

```
.background{ background-color: rgb(168,  
152, 84) }
```

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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