

Converting Colors

XYZ(29.0509, 31.5966, 12.7135)

Have a look what the booklet for
XYZ(29.0509, 31.5966, 12.7135)
contains.

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Color

**XYZ(29.1010, 31.7318,
12.7747)**

Conversions

Conversions Part 1

Format	Color
Hex	A89953
RGB	168, 153, 83
RGB Percent	66%, 60%, 33%
CMY	0.3412, 0.4000, 0.6745
CMYK	0.00, 0.09, 0.51, 0.34
HSL	49°, 34%, 49%
HSV	49°, 51%, 66%
XYZ	29.1010, 31.7318, 12.7747
YIQ	149.5050, 31.4100, -18.5900

Conversions

Conversions Part 2

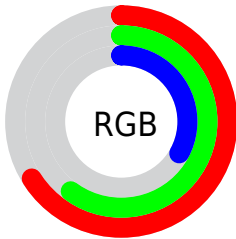
Format	Color
RYB	101, 168, 83
Decimal	11049299
CIELab	63.12, -4.04, 38.50
CIELCh	63, 38.716, 95.989
Yxy	31.7318, 0.3954, 0.4311
Android (android.graphics.Color)	4289239379 (0xFFA89953)
YUV	149.5050, -32.7870, 16.2201
Hunter-Lab	56.3310, -6.3648, 25.9859

Details

The XYZ color **29.1010, 31.7318, 12.7747** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.0028, 13.4011, 38.8416**, and the grayscale version is **28.9055, 30.4108, 33.1173**.

A 20% lighter version of the original color is **57.6672, 62.3544, 31.5505**, and **11.9795, 13.1956, 3.4290** is the 20% darker color. If you saturate the color by 10%, you get **28.0506, 30.5462, 9.6031**, and if you desaturate by 10%, it is **30.3222, 33.0074, 16.7793**.

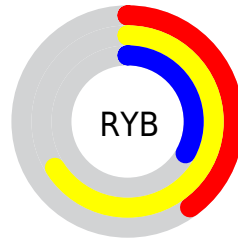
Distribution



Red (66%)

Green (60%)

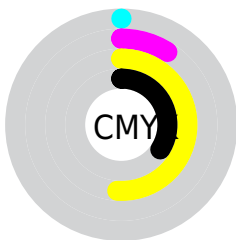
Blue (33%)



Red (40%)

Yellow (66%)

Blue (33%)

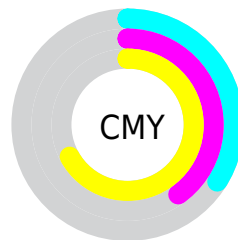


Cyan (0%)

Magenta (9%)

Yellow (51%)

Black (34%)



Cyan (34%)

Magenta (40%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1010, 31.7318, 12.7747 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 29.1010, 31.7318, 12.7747 by changing the saturation by 10% instead.

■ 29.1010, 31.7318,
12.7747

■ 29.1010, 31.7318,
12.7747

289.6768,
309.8957, 220.6255

■ 19.3019, 21.1567,
7.1447

■ 57.6340, 62.3904,
31.5837

■ 11.9939, 13.2386,
3.4729

■ 77.0985, 83.2427,
45.5997

■ 6.8117, 7.5931,
1.3409

■ 100.5157,
108.2896, 63.2481

■ 3.3899, 3.8357,
0.0950

■ 128.2507,
137.9154, 84.9475

■ 1.3632, 1.5821,
0.0000

■ 160.6690,
172.5045, 111.1164

■ 0.2297, 0.3455,
0.0000

198.1358,

■ 0.0000, 0.0000,

212.4413, 142.1734

0.0000

241.0167,
258.1102, 178.5369

■ 29.1010, 31.7318,
12.7747

■ 29.1010, 31.7318,
12.7747

■ 28.0506, 30.5462,
9.6031

■ 30.3222, 33.0074,
16.7793

■ 27.1569, 29.4413,
7.2018

■ 31.7224, 34.3728,
21.6699

■ 26.4077, 28.4131,
5.5022

■ 33.3119, 35.8334,
27.4970

■ 25.7873, 27.4553,
4.4228

■ 35.0996, 37.3931,
34.3072

■ 25.2888, 26.6056,
3.8025

■ 37.0937, 39.0551,
42.1435

■ 39.3022, 40.8228,
51.0468

■ 41.7323, 42.6993,
61.0554

■ 44.3911, 44.6874,
72.2059

■ 47.2853, 46.7900,
84.5332

Harmonies

Analogous

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



34.5358, 31.7318, 14.0431



29.1010, 31.7318, 12.7747



24.5178, 31.7318, 15.7956

Triad

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



29.1010, 31.7318, 12.7747



22.5890, 31.7318, 54.8806



40.5497, 31.7318, 47.9564

Complementary

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



29.1010, 31.7318, 12.7747



15.0028, 13.4011, 38.8416

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.



36.6078, 31.7318, 64.2376



29.1010, 31.7318, 12.7747



26.1706, 31.7318, 68.9913

Square

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



29.1010, 31.7318, 12.7747



21.0544, 31.7318, 37.7118



31.2446, 31.7318, 72.8427



41.5726, 31.7318, 31.5711

Rectangle

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



29.1010, 31.7318, 12.7747



22.4216, 31.7318, 20.5698



31.2446, 31.7318, 72.8427



39.5011, 31.7318, 53.7556

Sweetspot

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



29.1018, 31.7333, 12.7753



62.1292, 66.5078, 56.2432



21.4741, 15.4046, 13.5422



13.4001, 14.3720, 11.7213



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.



29.1018, 31.7333, 12.7753



50.6367, 55.1154, 16.6740



26.5628, 34.2998, 13.4046



8.0326, 8.5453, 8.0153



19.1306, 20.1584, 2.8827



0.4941, 0.5477, 0.0797

Inverse Universe

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



15.0028, 13.4011, 38.8416



22.1023, 18.0508, 69.5443



16.5815, 12.3237, 38.5504



7.2349, 7.5066, 9.4860



5.7088, 2.8778, 28.2301



0.1689, 0.1301, 0.6968

Previews

White Background



This preview shows how the XYZ color 29.1010, 31.7318, 12.7747 looks on a white background.

Color Contrast Check

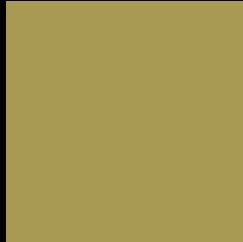
Large Text (above 18pt) WCAG AA × Fail

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 29.1010, 31.7318, 12.7747 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 29.1010, 31.7318, 12.7747

Background



This preview shows how black text looks on a background with the XYZ color 29.1010, 31.7318, 12.7747.



This preview shows how white text looks on a background with the XYZ color 29.1010, 31.7318,

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

29.1010, 31.7318, 12.7747

Protanopia

29.1010, 31.7318, 12.7747

Deuteranopia

32.4121, 31.7784, 13.0199



Tritanopia

33.8053, 31.7651, 35.8020

Trichromacy



Original Color

29.1010, 31.7318, 12.7747

Protanomaly

29.1010, 31.7318, 12.7747

Deuteranomaly

31.1701, 31.8383, 12.8901

Tritanomaly

31.5656, 31.5354, 25.1921

Monochromacy



Original Color

29.1010, 31.7318, 12.7747

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.7371, 30.8077, 24.1705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1010, 31.7318, 12.7747 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, 153, 83)` looks like.

```
.text, #text, p{  
    color:rgb(168, 153, 83)  
}
```

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, 153, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 153, 83) }
```

Border

The CSS property to change the border of an element to XYZ 29.1010, 31.7318, 12.7747 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, 153, 83) }
```


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

```
.border{ border-color:rgb(168, 153, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 153, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 153, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 153, 83);  
box-shadow:4px 4px 4px 4px rgb(168, 153,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1010, 31.7318, 12.7747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 153, 83) }
```

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

```
.background{ background-color: rgb(168,  
153, 83) }
```

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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