

Converting Colors

XYZ(31.3120, 30.1153, 29.4119)

Have a look what the booklet for
XYZ(31.3120, 30.1153, 29.4119)
contains.

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Color

**XYZ(31.4248, 30.2259,
29.3772)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8F8D
RGB	171, 143, 141
RGB Percent	67%, 56%, 55%
CMY	0.3294, 0.4392, 0.4471
CMYK	0.00, 0.16, 0.18, 0.33
HSL	4°, 15%, 61%
HSV	4°, 18%, 67%
XYZ	31.4248, 30.2259, 29.3772
YIQ	151.1440, 17.3300, 5.3140

Conversions

Conversions Part 2

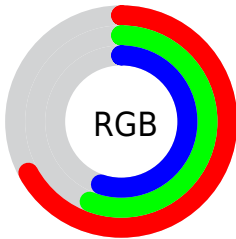
Format	Color
R_{YB}	171, 143, 141
Decimal	11243405
CIE _{Lab}	61.85, 10.18, 4.99
CIE _{LCh}	62, 11.340, 26.089
Yxy	30.2259, 0.3452, 0.3321
Android (android.graphics.Color)	4289433485 (0xFFAB8F8D)
YUV	151.1440, -5.0010, 17.4137
Hunter-Lab	54.9781, 5.8168, 6.8034

Details

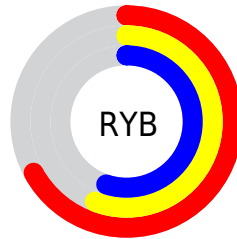
The XYZ color **31.4248, 30.2259, 29.3772** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **32.5230, 36.9783, 43.9519**, and the grayscale version is **29.4933, 31.0292, 33.7908**.

A 20% lighter version of the original color is **61.4951, 60.2035, 60.0091**, and **13.2739, 12.4356, 11.5982** is the 20% darker color. If you saturate the color by 10%, you get **28.0219, 25.3013, 22.4427**, and if you desaturate by 10%, it is **35.3667, 35.9135, 37.4614**.

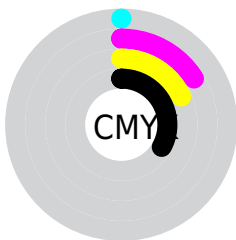
Distribution



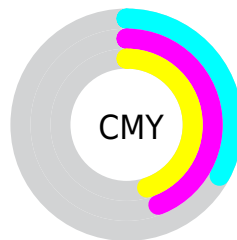
- Red (67%)
- Green (56%)
- Blue (55%)



- Red (67%)
- Yellow (56%)
- Blue (55%)



- Cyan (0%)
- Magenta (16%)
- Yellow (18%)
- Black (33%)





- Cyan (33%)
- Magenta (44%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4248, 30.2259, 29.3772 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 31.4248, 30.2259, 29.3772 by changing the saturation by 10% instead.


 31.4248, 30.2259,
29.3772


 31.4248, 30.2259,
29.3772


300.2827,
302.9560, 313.1070


 21.0759, 20.0101,
19.1183


 61.2796, 60.0192,
59.7252

 13.2923, 12.4024,
11.5781


 81.5162, 80.3656,
80.6513

 7.7085, 7.0183,
6.3381


 105.7794,
104.8576, 105.9703

 3.9592, 3.4736,
2.9796

134.4347,
133.8796, 136.1007

 1.6791, 1.3837,
1.0842

167.8473,
167.8161, 171.4611

 0.4431, 0.2047,
0.0000

206.3826,

 0.0000, 0.0000,

207.0514, 212.4699

0.0000

250.4059,
251.9699, 259.5457

■ 31.4248, 30.2259,
29.3772

■ 31.4248, 30.2259,
29.3772

■ 28.0219, 25.3013,
22.4427

■ 35.3667, 35.9135,
37.4614

■ 25.1321, 21.1033,
16.6038

■ 39.8670, 42.3902,
46.7420

■ 22.7314, 17.5988,
11.8050

■ 44.9471, 49.6861,
57.2658

■ 20.7925, 14.7504,
7.9854

■ 50.6266, 57.8283,
69.0761

■ 19.2857, 12.5172,
5.0773

■ 56.9243, 66.8429,
82.2145

■ 18.1778, 10.8539,
3.0047

■ 63.8581, 76.7547,
96.7205

■ 17.4307, 9.7088,
1.6794

■ 70.5132, 87.2148,
107.7254

■ 16.9934, 9.0185,
0.9657

■ 70.6048, 87.3980,
107.7560

■ 16.9193, 8.9071,
0.8275

Harmonies

Analogous

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



31.7337, 30.2259, 33.4831



31.4248, 30.2259, 29.3772



30.3846, 30.2259, 26.4624

Triad

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



31.4248, 30.2259, 29.3772



26.3788, 30.2259, 28.4731



28.5306, 30.2259, 41.9539

Complementary

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



31.4248, 30.2259, 29.3772



32.5230, 36.9783, 43.9519

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.



27.1343, 30.2259, 40.3301



31.4248, 30.2259, 29.3772



25.9199, 30.2259, 32.3452

Square

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



31.4248, 30.2259, 29.3772



27.4669, 30.2259, 25.9735



26.1916, 30.2259, 36.7171



30.0288, 30.2259, 40.9851

Rectangle

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



31.4248, 30.2259, 29.3772



29.4347, 30.2259, 25.4600



26.1916, 30.2259, 36.7171



28.0343, 30.2259, 41.6897

Sweetspot

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



31.4256, 30.2273, 29.3778



65.2240, 67.0333, 70.9698



33.4813, 30.5727, 41.6730



14.4270, 14.7785, 15.5832



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.



31.4256, 30.2273, 29.3778



53.8364, 50.6004, 47.6216



33.8296, 35.0352, 30.1792



8.0466, 8.0980, 8.3523



12.7697, 6.7449, 0.6289



0.3688, 0.2148, 0.0220

Inverse Universe

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



32.5230, 36.9783, 43.9519



56.1663, 64.9373, 78.5758



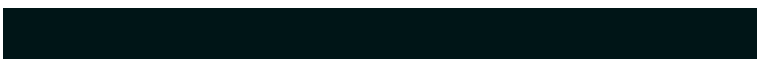
29.8912, 31.7146, 43.0746



8.1899, 8.9791, 10.2542



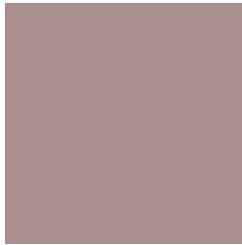
14.9787, 21.0913, 32.3261



0.4301, 0.6135, 0.9037

Previews

White Background



This preview shows how the XYZ color 31.4248, 30.2259, 29.3772 looks on a white background.

Color Contrast Check

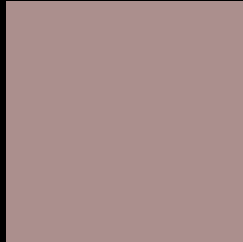
Large Text (above 18pt) WCAG AA × Fail

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 31.4248, 30.2259, 29.3772 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 31.4248, 30.2259, 29.3772

Background



This preview shows how black text looks on a background with the XYZ color 31.4248, 30.2259, 29.3772.



This preview shows how white text looks on a background with the XYZ color 31.4248, 30.2259,

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

31.4248, 30.2259, 29.3772

Protanopia

28.9184, 30.2808, 30.7062

Deuteranopia

30.7173, 30.0851, 29.3873



Tritanopia

32.2056, 30.0874, 33.8158

Trichromacy



Original Color

31.4248, 30.2259, 29.3772

Protanomaly

29.8888, 30.3242, 30.2644

Deuteranomaly

30.9294, 30.1944, 29.3973

Tritanomaly

32.0316, 30.2548, 32.1685

Monochromacy



Original Color

31.4248, 30.2259, 29.3772

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.9569, 30.5555, 31.9227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4248, 30.2259, 29.3772 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, 143, 141)` looks like.

```
.text, #text, p{  
    color:rgb(171, 143, 141)  
}
```

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, 143, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 143, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.4248, 30.2259, 29.3772 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, 143, 141) }
```


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

```
.border{ border-color:rgb(171, 143, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 143, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 143, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 143, 141);  
box-shadow:4px 4px 4px 4px rgb(171, 143,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4248, 30.2259, 29.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 143, 141) }
```

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

```
.background{ background-color: rgb(171,  
143, 141) }
```

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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