

Converting Colors

XYZ(29.0738, 24.2934, 18.8291)

Have a look what the booklet for
XYZ(29.0738, 24.2934, 18.8291)
contains.

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Color

**XYZ(28.9875, 24.2164,
18.7692)**

Conversions

Conversions Part 1

Format	Color
Hex	B77671
RGB	183, 118, 113
RGB Percent	72%, 46%, 44%
CMY	0.2824, 0.5372, 0.5569
CMYK	0.00, 0.36, 0.38, 0.28
HSL	4°, 33%, 58%
HSV	4°, 38%, 72%
XYZ	28.9875, 24.2164, 18.7692
YIQ	136.8650, 40.3450, 12.2250

Conversions

Conversions Part 2

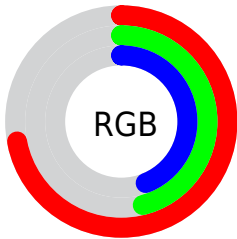
Format	Color
R_{YB}	183, 118, 113
Decimal	12023409
CIE Lab	56.30, 24.90, 13.35
CIE LCh	56, 28.259, 28.201
Yxy	24.2164, 0.4028, 0.3365
Android (android.graphics.Color)	4290213489 (0xFFB77671)
YUV	136.8650, -11.7654, 40.4604
Hunter-Lab	49.2102, 19.0286, 11.8334

Details

The XYZ color **28.9875, 24.2164, 18.7692** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.2770, 38.7688, 50.6344**, and the grayscale version is **23.7598, 24.9972, 27.2219**.

A 20% lighter version of the original color is **57.6301, 50.5432, 42.3157**, and **11.9843, 9.2271, 6.1504** is the 20% darker color. If you saturate the color by 10%, you get **26.2354, 20.1980, 13.2712**, and if you desaturate by 10%, it is **32.3091, 29.0412, 25.4824**.

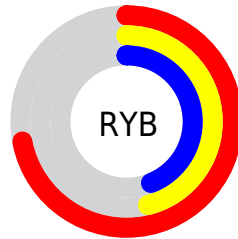
Distribution



Red (72%)

Green (46%)

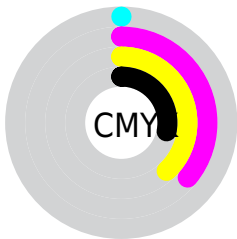
Blue (44%)



Red (72%)

Yellow (46%)

Blue (44%)

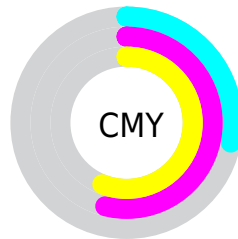


Cyan (0%)

Magenta (36%)

Yellow (38%)

Black (28%)



Cyan (28%)


Magenta (54%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9875, 24.2164, 18.7692 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 28.9875, 24.2164, 18.7692 by changing the saturation by 10% instead.


 28.9875, 24.2164,
18.7692

 28.9875, 24.2164,
18.7692


289.1512,
273.9127, 257.5518


 19.2156, 15.4942,
11.3285


 57.4549, 50.3831,
42.1752


 11.9311, 9.1670,
6.1713


 76.8812, 68.5964,
58.9776

 6.7686, 4.8503,
2.8791


 100.2562, 90.7422,
79.7377

 3.3629, 2.1597,
1.0332

 127.9454,
117.2050, 104.8740

 1.3484, 0.6979,
0.0000

160.3142,
148.3690, 134.8050

 0.2190, 0.0000,
0.0000

197.7279,

 0.0000, 0.0000,

184.6187, 169.9492

0.0000

240.5517,
226.3384, 210.7253

■ 28.9875, 24.2164,
18.7692

■ 28.9875, 24.2164,
18.7692

■ 26.2354, 20.1980,
13.2712

■ 32.3091, 29.0412,
25.4824

■ 24.0189, 16.9386,
8.9143

■ 36.2277, 34.7092,
33.4761

■ 22.3036, 14.3916,
5.6188


■ 40.7714, 41.2593,
42.8124


■ 21.0503, 12.5036,
3.2937


■ 45.9658, 48.7270,
53.5490


■ 20.2136, 11.2136,
1.8331

■ 51.8351, 57.1458,
65.7405


 19.7321, 10.4465,
1.0683

 58.4024, 66.5474,
79.4382

 19.6734, 10.3572,
0.9622

 65.6896, 76.9621,
94.6911

 73.0009, 88.1323,
107.7714

 73.3384, 88.8073,
107.8839

Harmonies

Analogous

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



29.8592, 24.2164, 26.9345



28.9875, 24.2164, 18.7692



26.4763, 24.2164, 13.8753

Triad

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



28.9875, 24.2164, 18.7692



18.0952, 24.2164, 18.0025



22.8209, 24.2164, 48.6573

Complementary

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



28.9875, 24.2164, 18.7692



31.2770, 38.7688, 50.6344

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.



19.8729, 24.2164, 44.7319



28.9875, 24.2164, 18.7692



17.3090, 24.2164, 25.8086

Square

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



28.9875, 24.2164, 18.7692



20.1832, 24.2164, 13.5116



17.9283, 24.2164, 35.7813



26.1043, 24.2164, 45.5375

Rectangle

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



28.9875, 24.2164, 18.7692



24.3211, 24.2164, 12.4219



17.9283, 24.2164, 35.7813



21.7603, 24.2164, 48.1027

Sweetspot

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



28.9881, 24.2176, 18.7697



70.5172, 70.2892, 71.5203



33.5031, 25.1055, 45.3752



15.3281, 15.1687, 15.2886



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.9881, 24.2176, 18.7697



47.6598, 37.1592, 25.1036



33.8459, 33.9332, 20.3889



9.0548, 9.1126, 9.3886



13.7444, 7.2652, 0.6779



0.5020, 0.2911, 0.0297

Inverse Universe

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



31.2770, 38.7688, 50.6344



52.3359, 66.9505, 90.4001



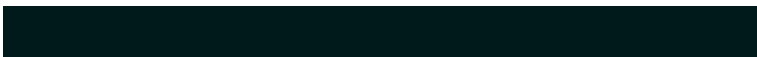
25.2301, 26.6750, 48.6187



9.2103, 10.0977, 11.5431



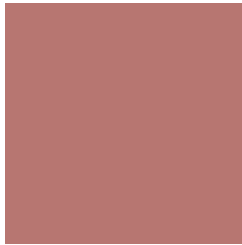
16.0012, 22.4622, 34.7453



0.5806, 0.8249, 1.2304

Previews

White Background



This preview shows how the XYZ color 28.9875, 24.2164, 18.7692 looks on a white background.

Color Contrast Check

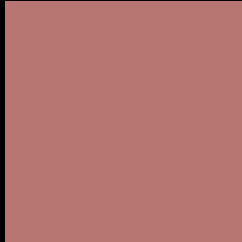
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9875, 24.2164, 18.7692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

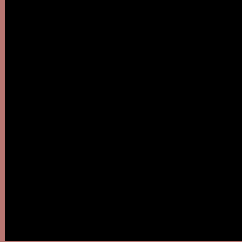
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9875, 24.2164, 18.7692

Background



This preview shows how black text looks on a background with the XYZ color 28.9875, 24.2164, 18.7692.



This preview shows how white text looks on a background with the XYZ color 28.9875, 24.2164,

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

28.9875, 24.2164, 18.7692

Protanopia

23.1613, 24.3958, 21.9005

Deuteranopia

24.7565, 24.2811, 18.4208



Tritanopia

29.7142, 24.1618, 22.4996

Trichromacy



Original Color

28.9875, 24.2164, 18.7692

Protanomaly

24.8903, 24.1003, 20.7927

Deuteranomaly

26.1114, 24.1986, 18.6238

Tritanomaly

29.5796, 24.2934, 21.2192

Monochromacy



Original Color

28.9875, 24.2164, 18.7692

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.2053, 24.3938, 23.8021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9875, 24.2164, 18.7692 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(183, 118, 113)` looks like.

```
.text, #text, p{  
    color:rgb(183, 118, 113)  
}
```

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(183, 118, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 118, 113) }
```

Border

The CSS property to change the border of an element to XYZ 28.9875, 24.2164, 18.7692 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(183, 118, 113) }
```


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

```
.border{ border-color:rgb(183, 118, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 118, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 118, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 118, 113);  
box-shadow:4px 4px 4px 4px rgb(183, 118,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9875, 24.2164, 18.7692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 118, 113) }
```

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

```
.background{ background-color: rgb(183,  
118, 113) }
```

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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