

Converting Colors

XYZ(27.9712, 22.7413, 9.8784)

Have a look what the booklet for
XYZ(27.9712, 22.7413, 9.8784)
contains.

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Color

**XYZ(28.0103, 22.7235,
9.9310)**

Conversions

Conversions Part 1

Format	Color
Hex	BD6F4D
RGB	189, 111, 77
RGB Percent	74%, 44%, 30%
CMY	0.2588, 0.5647, 0.6980
CMYK	0.00, 0.41, 0.59, 0.26
HSL	18°, 46%, 52%
HSV	18°, 59%, 74%
XYZ	28.0103, 22.7235, 9.9310
YIQ	130.4460, 57.4020, 5.9620

Conversions

Conversions Part 2

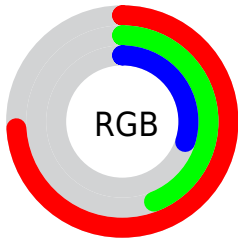
Format	Color
R_{YB}	189, 126, 77
Decimal	12414797
CIE Lab	54.79, 27.62, 32.02
CIE LCh	55, 42.285, 49.218
Yxy	22.7235, 0.4617, 0.3746
Android (android.graphics.Color)	4290604877 (0xFFBD6F4D)
YUV	130.4460, -26.3489, 51.3519
Hunter-Lab	47.6692, 21.4652, 21.0164

Details

The XYZ color **28.0103, 22.7235, 9.9310** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **23.9667, 28.6933, 52.4192**, and the grayscale version is **21.4531, 22.5703, 24.5791**.

A 20% lighter version of the original color is **55.9949, 47.8664, 26.3666**, and **11.3300, 8.3695, 2.3146** is the 20% darker color. If you saturate the color by 10%, you get **26.1056, 19.8314, 6.4685**, and if you desaturate by 10%, it is **30.3216, 26.1187, 14.4859**.

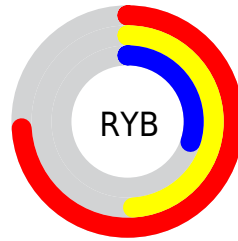
Distribution



Red (74%)

Green (44%)

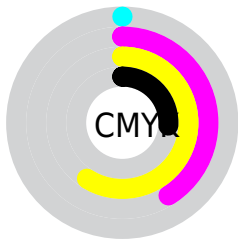
Blue (30%)



Red (74%)

Yellow (49%)

Blue (30%)

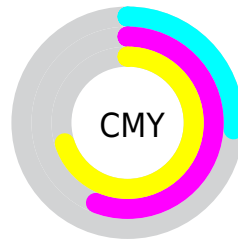


Cyan (0%)

Magenta (41%)

Yellow (59%)

Black (26%)



Cyan (26%)

Magenta (56%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0103, 22.7235, 9.9310 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 28.0103, 22.7235, 9.9310 by changing the saturation by 10% instead.

■ 28.0103, 22.7235,
9.9310

■ 28.0103, 22.7235,
9.9310

284.5953,
266.3016, 200.6458

■ 18.4739, 14.3895,
5.2482

■ 55.9094, 47.9389,
26.2714

■ 11.3925, 8.3920,
2.3324

■ 75.0029, 65.5891,
38.7661

■ 6.4007, 4.3468,
0.7493

■ 98.0127, 87.1134,
54.7019

■ 3.1332, 1.8694,
0.0000

■ 125.3043,
112.8964, 74.4973

■ 1.2246, 0.5299,
0.0000

■ 157.2430,
143.3223, 98.5709

■ 0.1257, 0.0000,
0.0000

194.1942,

■ 0.0000, 0.0000,

178.7755, 127.3411

0.0000

236.5232,
219.6405, 161.2266

■ 28.0103, 22.7235,
9.9310

■ 28.0103, 22.7235,
9.9310

■ 26.1056, 19.8314,
6.4685

■ 30.3216, 26.1187,
14.4859

■ 24.5793, 17.4136,
4.0027

■ 33.0618, 30.0370,
20.2150

■ 23.4016, 15.4433,
2.4234

■ 36.2533, 34.5013,
27.1939

■ 22.5251, 13.8842,
1.5330

■ 39.9164, 39.5322,
35.4913

■ 22.4683, 13.7830,
1.4762

■ 44.0702, 45.1491,
45.1710

■ 48.7326, 51.3705,
56.2925

■ 53.9206, 58.2141,
68.9119

■ 59.6504, 65.6967,
83.0822

■ 65.9374, 73.8346,
98.8539

Harmonies

Analogous

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



31.2353, 22.7235, 17.2056



28.0103, 22.7235, 9.9310



23.3218, 22.7235, 7.1019

Triad

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



28.0103, 22.7235, 9.9310



13.9233, 22.7235, 20.2362



24.6907, 22.7235, 57.8370

Complementary

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



28.0103, 22.7235, 9.9310



23.9667, 28.6933, 52.4192

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.



19.9613, 22.7235, 59.5788



28.0103, 22.7235, 9.9310



14.1800, 22.7235, 34.2093

Square

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



28.0103, 22.7235, 9.9310



15.4872, 22.7235, 11.4589



16.2476, 22.7235, 49.7704



29.1359, 22.7235, 45.6281

Rectangle

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



28.0103, 22.7235, 9.9310



20.1912, 22.7235, 7.0490



16.2476, 22.7235, 49.7704



23.0686, 22.7235, 59.7980

Sweetspot

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



28.0108, 22.7247, 9.9314



72.1735, 71.7322, 65.1374



29.5903, 18.5068, 33.1995



15.0848, 14.8315, 13.0070



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.0108, 22.7247, 9.9314



45.9014, 34.1870, 10.1394



36.0714, 38.8458, 12.6183



9.7600, 9.9961, 9.9917



15.1772, 9.3932, 1.0131



0.6539, 0.4868, 0.0595

Inverse Universe

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



23.9667, 28.6933, 52.4192



37.9051, 45.6322, 93.0363



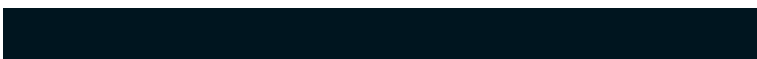
16.7459, 14.2518, 50.0123



9.5574, 10.3072, 12.1580



11.7668, 13.6454, 34.4065



0.5160, 0.6446, 1.3661

Previews

White Background



This preview shows how the XYZ color 28.0103, 22.7235, 9.9310 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 28.0103, 22.7235, 9.9310 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 28.0103, 22.7235, 9.9310

Background



This preview shows how black text looks on a background with the XYZ color 28.0103, 22.7235, 9.9310.



This preview shows how white text looks on a background with the XYZ color 28.0103, 22.7235,

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

28.0103, 22.7235, 9.9310

Protanopia

21.2186, 22.9980, 11.9151

Deuteranopia

23.2676, 22.7387, 9.6412



Tritanopia

29.6772, 22.5993, 18.7175

Trichromacy



Original Color

28.0103, 22.7235, 9.9310

Protanomaly

23.2278, 22.4981, 11.1010

Deuteranomaly

24.7811, 22.5989, 9.7125

Tritanomaly

28.9467, 22.6119, 15.1508

Monochromacy



Original Color

28.0103, 22.7235, 9.9310

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.7147, 21.8929, 18.0675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0103, 22.7235, 9.9310 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(189, 111, 77)` looks like.

```
.text, #text, p{  
    color:rgb(189, 111, 77)  
}
```

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(189, 111, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 111, 77) }
```

Border

The CSS property to change the border of an element to XYZ 28.0103, 22.7235, 9.9310 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(189, 111, 77) }
```


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

```
.border{ border-color:rgb(189, 111, 77) }
```

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

Here you see how a box with a 4 pixel rgb(189, 111, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 111, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 111, 77);  
box-shadow:4px 4px 4px 4px rgb(189, 111,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0103, 22.7235, 9.9310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 111, 77) }
```

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

```
.background{ background-color: rgb(189,  
111, 77) }
```

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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