

Converting Colors

XYZ(29.0351, 28.9555, 22.7442)

Have a look what the booklet for
XYZ(29.0351, 28.9555, 22.7442)
contains.

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Color

**XYZ(28.9740, 28.8831,
22.7868)**

Conversions

Conversions Part 1

Format	Color
Hex	A68E7B
RGB	166, 142, 123
RGB Percent	65%, 56%, 48%
CMY	0.3490, 0.4431, 0.5176
CMYK	0.00, 0.14, 0.26, 0.35
HSL	27°, 19%, 57%
HSV	27°, 26%, 65%
XYZ	28.9740, 28.8831, 22.7868
YIQ	147.0100, 20.4030, -0.8210

Conversions

Conversions Part 2

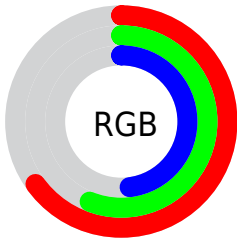
Format	Color
R_{YB}	166, 157, 123
Decimal	10915451
CIE _{Lab}	60.68, 6.00, 13.46
CIE _{LCh}	61, 14.737, 65.990
Yxy	28.8831, 0.3593, 0.3582
Android (android.graphics.Color)	4289105531 (0xFFA68E7B)
YUV	147.0100, -11.8369, 16.6542
Hunter-Lab	53.7430, 2.1829, 12.4814

Details

The XYZ color **28.9740, 28.8831, 22.7868** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.4847, 27.8306, 40.1050**, and the grayscale version is **27.7794, 29.2261, 31.8273**.

A 20% lighter version of the original color is **57.7006, 58.1440, 49.2561**, and **11.8732, 11.6594, 8.1033** is the 20% darker color. If you saturate the color by 10%, you get **26.7004, 25.8602, 17.3296**, and if you desaturate by 10%, it is **31.5399, 32.2083, 29.2115**.

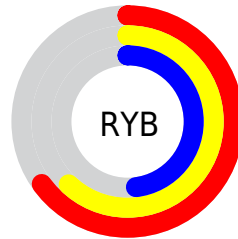
Distribution



Red (65%)

Green (56%)

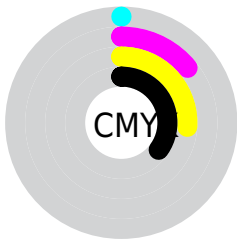
Blue (48%)



Red (65%)

Yellow (62%)

Blue (48%)

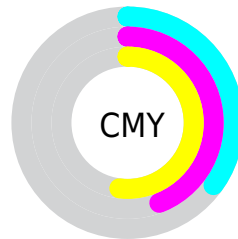


Cyan (0%)

Magenta (14%)

Yellow (26%)

Black (35%)



Cyan (35%)


Magenta (44%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9740, 28.8831, 22.7868 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 28.9740, 28.8831, 22.7868 by changing the saturation by 10% instead.


 28.9740, 28.8831,
22.7868


 28.9740, 28.8831,
22.7868


289.0887,
296.6630, 279.7144

 19.2053, 18.9924,
14.2323


 57.4336, 57.8913,
48.9618

 11.9236, 11.6648,
8.1418


 76.8553, 77.7776,
67.4194

 6.7635, 6.5159,
4.0968


 100.2253,
101.7646, 90.0151

 3.3597, 3.1612,
1.6786

127.9091,
130.2366, 117.1674

 1.3467, 1.2165,
0.3460

160.2720,
163.5780, 149.2950

 0.2178, 0.0751,
0.0000

197.6793,

 0.0000, 0.0000,

202.1733, 186.8163

0.0000

240.4964,
246.4068, 230.1500

■ 28.9740, 28.8831,
22.7868

■ 28.9740, 28.8831,
22.7868

■ 26.7004, 25.8602,
17.3296

■ 31.5399, 32.2083,
29.2115

■ 24.7052, 23.1264,
12.7903

■ 34.4069, 35.8405,
36.6463

■ 22.9766, 20.6736,
9.1178

■ 37.5858, 39.7892,
45.1335

■ 21.5010, 18.4914,
6.2549

■ 41.0867, 44.0624,
54.7121

■ 20.2632, 16.5688,
4.1377

■ 44.9188, 48.6677,
65.4196

■ 19.2462, 14.8938,
2.6923

■ 49.0910, 53.6124,
77.2913

■ 18.4282, 13.4520,
1.8205

■ 53.6120, 58.9037,
90.3611

■ 18.1324, 12.9200,
1.5381

■ 58.3608, 64.4968,
103.9809

■ 60.8031, 69.3814,
104.7950

Harmonies

Analogous

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



30.5323, 28.8831, 25.6645



28.9740, 28.8831, 22.7868



27.0711, 28.8831, 22.1059

Triad

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



28.9740, 28.8831, 22.7868



23.9599, 28.8831, 32.5591



29.6675, 28.8831, 40.7489

Complementary

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



28.9740, 28.8831, 22.7868



25.4847, 27.8306, 40.1050

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.



27.8375, 28.8831, 43.1108



28.9740, 28.8831, 22.7868



24.5872, 28.8831, 38.0428

Square

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



28.9740, 28.8831, 22.7868



24.2328, 28.8831, 27.3607



25.9853, 28.8831, 42.0673



30.9455, 28.8831, 35.9251

Rectangle

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



28.9740, 28.8831, 22.7868



25.8745, 28.8831, 22.9110



25.9853, 28.8831, 42.0673



29.0934, 28.8831, 41.8811

Sweetspot

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



28.9748, 28.8844, 22.7874



61.2281, 63.5173, 63.3157



28.1043, 24.3913, 30.9818



13.5273, 13.9939, 13.7137



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.



28.9748, 28.8844, 22.7874



50.1814, 49.2430, 35.5277



32.4220, 35.7788, 23.9365



7.7938, 8.0676, 7.9357



14.1060, 10.1092, 1.2078



0.3946, 0.3487, 0.0465

Inverse Universe

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



25.4847, 27.8306, 40.1050



42.7701, 47.0025, 72.2934



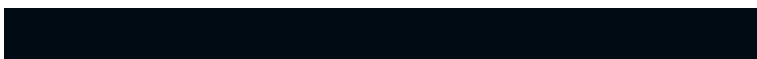
22.4954, 21.8521, 39.1086



7.4659, 7.9688, 9.5630



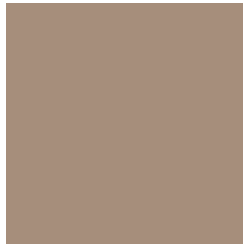
8.3952, 8.2506, 29.1255



0.2540, 0.3002, 0.7252

Previews

White Background



This preview shows how the XYZ color 28.9740, 28.8831, 22.7868 looks on a white background.

Color Contrast Check

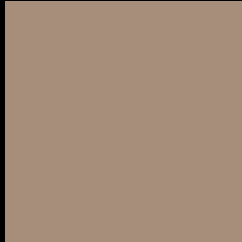
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9740, 28.8831, 22.7868 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

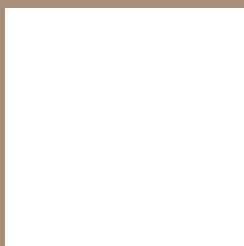
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9740, 28.8831, 22.7868

Background



This preview shows how black text looks on a background with the XYZ color 28.9740, 28.8831, 22.7868.



This preview shows how white text looks on a background with the XYZ color 28.9740, 28.8831,

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

28.9740, 28.8831, 22.7868

Protanopia

27.3070, 28.9085, 23.5427

Deuteranopia

29.4622, 28.9148, 22.7672



Tritanopia

30.8755, 28.7819, 32.3619

Trichromacy



Original Color

28.9740, 28.8831, 22.7868

Protanomaly

27.8640, 28.9751, 23.1929

Deuteranomaly

29.2485, 28.8046, 22.7572

Tritanomaly

30.1147, 28.6835, 28.7602

Monochromacy



Original Color

28.9740, 28.8831, 22.7868

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.0393, 28.9558, 28.1560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9740, 28.8831, 22.7868 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(166, 142, 123)` looks like.

```
.text, #text, p{  
    color:rgb(166, 142, 123)  
}
```

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(166, 142, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 142, 123) }
```

Border

The CSS property to change the border of an element to XYZ 28.9740, 28.8831, 22.7868 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(166, 142, 123) }
```


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

```
.border{ border-color:rgb(166, 142, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 142, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 142, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 142, 123);  
box-shadow:4px 4px 4px 4px rgb(166, 142,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9740, 28.8831, 22.7868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 142, 123) }
```

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

```
.background{ background-color: rgb(166,  
142, 123) }
```

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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