

Converting Colors

XYZ(28.3714, 28.6983, 18.7418)

Have a look what the booklet for
XYZ(28.3714, 28.6983, 18.7418)
contains.

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Color

**XYZ(28.4238, 28.6873,
18.7910)**

Conversions

Conversions Part 1

Format	Color
Hex	A78E6E
RGB	167, 142, 110
RGB Percent	65%, 56%, 43%
CMY	0.3451, 0.4431, 0.5686
CMYK	0.00, 0.15, 0.34, 0.35
HSL	34°, 24%, 54%
HSV	34°, 34%, 65%
XYZ	28.4238, 28.6873, 18.7910
YIQ	145.8270, 25.1720, -4.6520

Conversions

Conversions Part 2

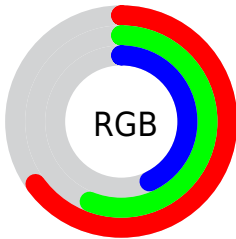
Format	Color
RYB	155, 167, 110
Decimal	10980974
CIELab	60.50, 4.60, 20.55
CIELCh	61, 21.063, 77.381
Yxy	28.6873, 0.3745, 0.3780
Android (android.graphics.Color)	4289171054 (0xFFA78E6E)
YUV	145.8270, -17.6627, 18.5687
Hunter-Lab	53.5605, 0.9965, 16.6913

Details

The XYZ color **28.4238, 28.6873, 18.7910** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.0691, 23.4322, 39.9188**, and the grayscale version is **27.3142, 28.7366, 31.2942**.

A 20% lighter version of the original color is **56.6929, 57.7765, 42.3464**, and **11.6361, 11.5795, 6.1792** is the 20% darker color. If you saturate the color by 10%, you get **26.5450, 26.2502, 14.0938**, and if you desaturate by 10%, it is **30.5470, 31.3388, 24.4158**.

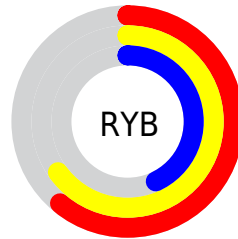
Distribution



Red (65%)

Green (56%)

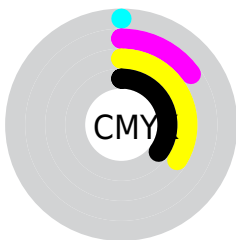
Blue (43%)



Red (61%)

Yellow (65%)

Blue (43%)

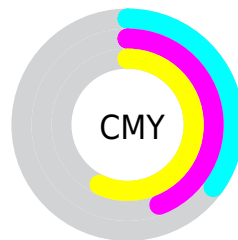


Cyan (0%)

Magenta (15%)

Yellow (34%)

Black (35%)



Cyan (35%)

Magenta (44%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4238, 28.6873, 18.7910 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 28.4238, 28.6873, 18.7910 by changing the saturation by 10% instead.

■ 28.4238, 28.6873,
18.7910

■ 28.4238, 28.6873,
18.7910

286.5300,
295.7367, 257.6767

■ 18.7875, 18.8444,
11.3441

■ 56.5643, 57.5799,
42.2126

■ 11.6199, 11.5579,
6.1817

■ 75.7991, 77.3984,
59.0244

■ 6.5558, 6.4434,
2.8853

■ 98.9642, 101.3108,
79.7949

■ 3.2297, 3.1165,
1.0364

■ 126.4248,
129.7017, 104.9426

■ 1.2764, 1.1929,
0.0000

158.5463,
162.9553, 134.8861

■ 0.1654, 0.0559,
0.0000

195.6941,

■ 0.0000, 0.0000,

201.4561, 170.0439

0.0000

238.2336,
245.5884, 210.8346

■ 28.4238, 28.6873,
18.7910

■ 28.4238, 28.6873,
18.7910

■ 26.5450, 26.2502,
14.0938

■ 30.5470, 31.3388,
24.4158

■ 24.8975, 24.0170,
10.2711

■ 32.9228, 34.2069,
31.0137

■ 23.4699, 21.9819,
7.2673

■ 35.5613, 37.2989,
38.6294

■ 22.2490, 20.1372,
5.0192

■ 38.4716, 40.6204,
47.3041

■ 21.2196, 18.4746,
3.4545

■ 41.6623, 44.1768,
57.0769

■ 20.3637, 16.9843,
2.4865

■ 45.1416, 47.9732,
67.9849

■ 19.9182, 16.1793,
2.0731

■ 48.9171, 52.0147,
80.0633

■ 52.9965, 56.3061,
93.3458

■ 56.5215, 60.5058,
103.3075

Harmonies

Analogous

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



30.9593, 28.6873, 21.4677



28.4238, 28.6873, 18.7910



25.7352, 28.6873, 19.0213

Triad

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



28.4238, 28.6873, 18.7910



22.5781, 28.6873, 35.9222



31.2947, 28.6873, 42.5023

Complementary

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



28.4238, 28.6873, 18.7910



22.0691, 23.4322, 39.9188

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.



28.8572, 28.6873, 47.8021



28.4238, 28.6873, 18.7910



23.8795, 28.6873, 43.5911

Square

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



28.4238, 28.6873, 18.7910



22.4791, 28.6873, 28.0795



26.1409, 28.6873, 48.2308



32.6893, 28.6873, 34.6198

Rectangle

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



28.4238, 28.6873, 18.7910



24.2158, 28.6873, 20.7906



26.1409, 28.6873, 48.2308



30.5630, 28.6873, 44.6979

Sweetspot

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



28.4245, 28.6886, 18.7916



60.7720, 63.4014, 60.7089



25.9315, 21.1353, 25.8754



13.4592, 14.0227, 13.1827



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.



28.4245, 28.6886, 18.7916



48.3061, 48.0218, 27.1047



31.9740, 36.6717, 20.1454



7.8674, 8.2148, 7.9602



15.2911, 12.4795, 1.6029



0.4216, 0.4029, 0.0555

Inverse Universe

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



22.0691, 23.4322, 39.9188



35.1682, 37.1606, 70.7944



19.3421, 17.4430, 38.9065



7.3923, 7.8216, 9.5384



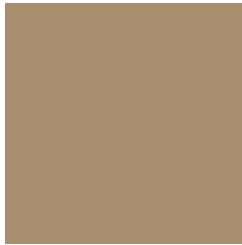
7.2195, 5.8993, 28.7337



0.2270, 0.2461, 0.7162

Previews

White Background



This preview shows how the XYZ color 28.4238, 28.6873, 18.7910 looks on a white background.

Color Contrast Check

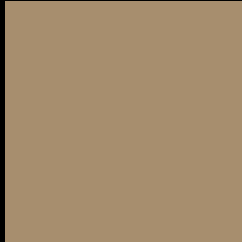
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4238, 28.6873, 18.7910 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 28.4238, 28.6873, 18.7910

Background



This preview shows how black text looks on a background with the XYZ color 28.4238, 28.6873, 18.7910.



This preview shows how white text looks on a background with the XYZ color 28.4238, 28.6873,

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

28.4238, 28.6873, 18.7910

Protanopia

26.9138, 28.7955, 19.4688

Deuteranopia

29.2058, 28.6526, 18.7430



Tritanopia

31.0855, 28.6874, 31.9158

Trichromacy



Original Color

28.4238, 28.6873, 18.7910

Protanomaly

27.4918, 28.8721, 19.1628

Deuteranomaly

28.9169, 28.7216, 18.7716

Tritanomaly

30.1133, 28.7325, 26.5130

Monochromacy



Original Color

28.4238, 28.6873, 18.7910

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.6855, 28.8143, 26.2928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4238, 28.6873, 18.7910 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(167, 142, 110)` looks like.

```
.text, #text, p{  
    color:rgb(167, 142, 110)  
}
```

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(167, 142, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 142, 110) }
```

Border

The CSS property to change the border of an element to XYZ 28.4238, 28.6873, 18.7910 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(167, 142, 110) }
```


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

```
.border{ border-color:rgb(167, 142, 110) }
```

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

Here you see how a box with a 4 pixel rgb(167, 142, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 142, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 142, 110);  
box-shadow:4px 4px 4px 4px rgb(167, 142,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4238, 28.6873, 18.7910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 142, 110) }
```

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

```
.background{ background-color: rgb(167,  
142, 110) }
```

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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