

Converting Colors

XYZ(28.2333, 28.1637, 18.1354)

Have a look what the booklet for
XYZ(28.2333, 28.1637, 18.1354)
contains.

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Color

**XYZ(28.2333, 28.1637,
18.1354)**

Conversions

Conversions Part 1

Format	Color
Hex	A88C6C
RGB	168, 140, 108
RGB Percent	66%, 55%, 42%
CMY	0.3412, 0.4510, 0.5765
CMYK	0.00, 0.17, 0.36, 0.34
HSL	32°, 26%, 54%
HSV	32°, 36%, 66%
XYZ	28.2333, 28.1637, 18.1354
YIQ	144.7240, 26.9600, -4.0160

Conversions

Conversions Part 2

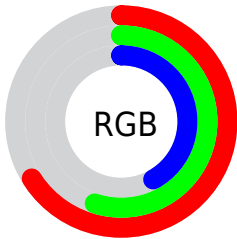
Format	Color
R _Y B	161, 168, 108
Decimal	11045996
CIE Lab	60.04, 5.87, 21.06
CIE LCh	60, 21.860, 74.420
Yxy	28.1637, 0.3788, 0.3779
Android (android.graphics.Color)	4289236076 (0xFFA88C6C)
YUV	144.7240, -18.1049, 20.4131
Hunter-Lab	53.0695, 2.0915, 16.8875

Details

The XYZ color **28.2333, 28.1637, 18.1354** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.0561, 23.6228, 40.4430**, and the grayscale version is **26.8657, 28.2648, 30.7803**.

A 20% lighter version of the original color is **56.1556, 56.5253, 41.2085**, and **11.5420, 11.2834, 5.8446** is the 20% darker color. If you saturate the color by 10%, you get **26.3192, 25.6311, 13.5032**, and if you desaturate by 10%, it is **30.4028, 30.9311, 23.7034**.

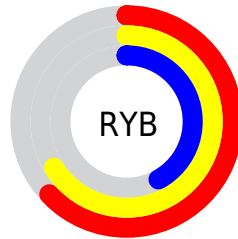
Distribution



Red (66%)

Green (55%)

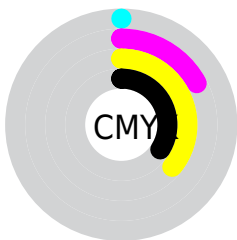
Blue (42%)



Red (63%)

Yellow (66%)

Blue (42%)

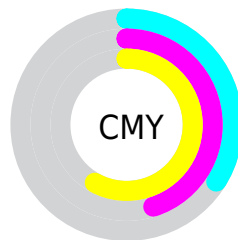


Cyan (0%)

Magenta (17%)

Yellow (36%)

Black (34%)



Cyan (34%)


Magenta (45%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2333, 28.1637, 18.1354 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 28.2333, 28.1637, 18.1354 by changing the saturation by 10% instead.


 28.2333, 28.1637,
18.1354


 28.2333, 28.1637,
18.1354


285.6399,
293.2483, 253.8948


 18.6430, 18.4491,
10.8768


 56.2627, 56.7457,
41.0850


 11.5150, 11.2729,
5.8709


 75.4325, 76.3819,
57.6130

 6.4842, 6.2507,
2.6992


 98.5262, 100.0940,
78.0679

 3.1851, 2.9981,
0.9430

 125.9091,
128.2666, 102.8683

 1.2524, 1.1307,
0.0000

157.9466,
161.2839, 132.4326

 0.1472, 0.0040,
0.0000

195.0040,

 0.0000, 0.0000,

199.5303, 167.1794

0.0000

237.4466,
243.3903, 207.5273

■ 28.2333, 28.1637,
18.1354

■ 28.2333, 28.1637,
18.1354

■ 26.3192, 25.6311,
13.5032

■ 30.4028, 30.9311,
23.7034

■ 24.6467, 23.3219,
9.7522

■ 32.8363, 33.9363,
30.2542

■ 23.2038, 21.2298,
6.8248

■ 35.5445, 37.1872,
37.8335

■ 21.9765, 19.3460,
4.6555

■ 38.5371, 40.6900,
46.4839

■ 20.9486, 17.6612,
3.1691

■ 41.8231, 44.4507,
56.2454

■ 20.0997, 16.1642,
2.2674

■ 45.4109, 48.4752,
67.1559

■ 19.7719, 15.5716,
1.9635

■ 49.3088, 52.7691,
79.2515

■ 53.5247, 57.3376,
92.5669

■ 57.3823, 61.9125,
103.5337

Harmonies

Analogous

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



30.7795, 28.1637, 21.1331



28.2333, 28.1637, 18.1354



25.4569, 28.1637, 18.0788

Triad

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



28.2333, 28.1637, 18.1354



21.9091, 28.1637, 34.6464



30.6954, 28.1637, 42.9784

Complementary

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



28.2333, 28.1637, 18.1354



22.0561, 23.6228, 40.4430

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.



28.1249, 28.1637, 48.0507



28.2333, 28.1637, 18.1354



23.1225, 28.1637, 42.7039

Square

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



28.2333, 28.1637, 18.1354



21.9337, 28.1637, 26.7271



25.3557, 28.1637, 47.9423



32.2668, 28.1637, 34.9729

Rectangle

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



28.2333, 28.1637, 18.1354



23.8538, 28.1637, 19.6720



25.3557, 28.1637, 47.9423



29.9120, 28.1637, 45.1402

Sweetspot

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



28.2340, 28.1650, 18.1360



61.7408, 64.1881, 60.8702



25.9551, 20.8278, 25.9450



13.3207, 13.8263, 12.8876



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.



28.2340, 28.1650, 18.1360



48.3939, 47.3641, 25.9939



32.4354, 37.1950, 19.6575



7.8500, 8.1800, 7.9544



14.9827, 11.8626, 1.5000



0.4150, 0.3896, 0.0533

Inverse Universe

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



22.0561, 23.6228, 40.4430



35.4715, 37.8667, 72.6646



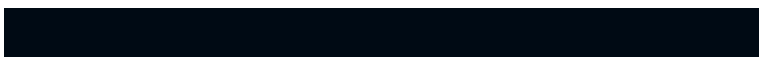
18.8611, 16.8676, 39.3075



7.4095, 7.8560, 9.5442



7.4662, 6.3925, 28.8159



0.2332, 0.2586, 0.7183

Previews

White Background



This preview shows how the XYZ color 28.2333, 28.1637, 18.1354 looks on a white background.

Color Contrast Check

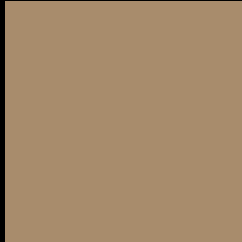
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2333, 28.1637, 18.1354 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 28.2333, 28.1637, 18.1354

Background



This preview shows how black text looks on a background with the XYZ color 28.2333, 28.1637, 18.1354.



This preview shows how white text looks on a background with the XYZ color 28.2333, 28.1637,

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

28.2333, 28.1637, 18.1354

Protanopia

26.4574, 28.3451, 18.8286

Deuteranopia

28.7340, 28.2059, 18.1172



Tritanopia

30.7881, 28.1429, 30.5975

Trichromacy



Original Color

28.2333, 28.1637, 18.1354

Protanomaly

27.0800, 28.2226, 18.4882

Deuteranomaly

28.5170, 28.0940, 18.1070

Tritanomaly

29.9051, 28.2152, 25.6997

Monochromacy



Original Color

28.2333, 28.1637, 18.1354

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.1242, 28.0832, 25.8208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2333, 28.1637, 18.1354 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(168, 140, 108)` looks like.

```
.text, #text, p{  
    color:rgb(168, 140, 108)  
}
```

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(168, 140, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 140, 108) }
```

Border

The CSS property to change the border of an element to XYZ 28.2333, 28.1637, 18.1354 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(168, 140, 108) }
```


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

```
.border{ border-color:rgb(168, 140, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 140, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 140, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 140, 108);  
box-shadow:4px 4px 4px 4px rgb(168, 140,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2333, 28.1637, 18.1354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 140, 108) }
```

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

```
.background{ background-color: rgb(168,  
140, 108) }
```

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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