

Converting Colors

XYZ(22.7986, 24.7712, 22.1722)

Have a look what the booklet for
XYZ(22.7986, 24.7712, 22.1722)
contains.

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Color

**XYZ(22.8170, 24.8413,
22.3312)**

Conversions

Conversions Part 1

Format	Color
Hex	888A7B
RGB	136, 138, 123
RGB Percent	53%, 54%, 48%
CMY	0.4667, 0.4588, 0.5176
CMYK	0.01, 0.00, 0.11, 0.46
HSL	68°, 6%, 51%
HSV	68°, 11%, 54%
XYZ	22.8170, 24.8413, 22.3312
YIQ	135.6920, 3.6230, -5.0890

Conversions

Conversions Part 2

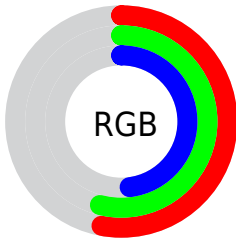
Format	Color
R_{YB}	123, 138, 125
Decimal	8948347
CIE Lab	56.92, -3.56, 7.78
CIE LCh	57, 8.557, 114.608
Yxy	24.8413, 0.3260, 0.3549
Android (android.graphics.Color)	4287138427 (0xFF888A7B)
YUV	135.6920, -6.2572, 0.2701
Hunter-Lab	49.8410, -5.5054, 8.3239

Details

The XYZ color **22.8170, 24.8413, 22.3312** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.1289, 20.3616, 26.9154**, and the grayscale version is **23.3089, 24.5228, 26.7053**.

A 20% lighter version of the original color is **47.3549, 51.1756, 47.9394**, and **8.5635, 9.4523, 7.8517** is the 20% darker color. If you saturate the color by 10%, you get **21.7169, 24.3678, 18.0836**, and if you desaturate by 10%, it is **24.0454, 25.3684, 27.2216**.

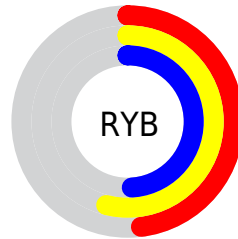
Distribution



Red (53%)

Green (54%)

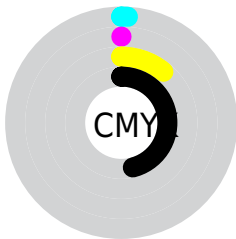
Blue (48%)



Red (48%)

Yellow (54%)

Blue (49%)

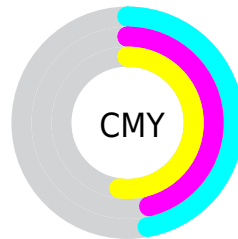


Cyan (1%)

Magenta (0%)

Yellow (11%)

Black (46%)



Cyan (47%)

Magenta (46%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8170, 24.8413, 22.3312 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 22.8170, 24.8413, 22.3312 by changing the saturation by 10% instead.

■ 22.8170, 24.8413,
22.3312

■ 22.8170, 24.8413,
22.3312

259.3366,
277.0467, 277.2807

■ 14.5784, 15.9589,
13.8998

■ 47.5615, 51.3996,
48.2020

■ 8.6084, 9.4950,
7.9131

■ 64.7982, 69.8443,
66.4785

■ 4.5417, 5.0655,
3.9524

■ 85.7649, 92.2452,
88.8737

■ 2.0129, 2.2857,
1.5993

110.8270,
118.9868, 115.8063

■ 0.6412, 0.7661,
0.2903

140.3498,
150.4533, 147.6948

■ 0.0000, 0.0000,
0.0000

174.6988,

187.0291, 184.9576

214.2393,
229.0988, 228.0135

■ 22.8170, 24.8413,
22.3312

■ 22.8170, 24.8413,
22.3312

■ 21.7169, 24.3678,
18.0836

■ 24.0454, 25.3684,
27.2216

■ 20.7380, 23.9425,
14.4505

■ 25.4049, 25.9476,
32.7784

■ 19.8755, 23.5645,
11.4039

■ 26.9008, 26.5820,
39.0258

■ 19.1235, 23.2312,
8.9130

■ 28.5372, 27.2733,
45.9865

■ 18.4757, 22.9401,
6.9441

■ 30.3184, 28.0230,
53.6820

■ 17.9249, 22.6884,
5.4598

■ 32.2483, 28.8329,
62.1330

■ 17.4631, 22.4729,
4.4181

■ 34.3307, 29.7043,
71.3594

■ 17.0808, 22.2898,
3.7694

■ 36.5692, 30.6388,
81.3803

■ 16.7764, 22.1410,
3.3894

■ 38.9674, 31.6378,
92.2141

Harmonies

Analogous

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



23.7926, 24.8413, 21.9139



22.8170, 24.8413, 22.3312



22.0735, 24.8413, 23.9739

Triad

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



22.8170, 24.8413, 22.3312



22.5116, 24.8413, 31.8045



25.5832, 24.8413, 27.5702

Complementary

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



22.8170, 24.8413, 22.3312



20.1289, 20.3616, 26.9154

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.



25.2181, 24.8413, 30.3742



22.8170, 24.8413, 22.3312



23.4302, 24.8413, 32.9271

Square

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



22.8170, 24.8413, 22.3312



21.9007, 24.8413, 29.4134



24.4230, 24.8413, 32.3861



25.4079, 24.8413, 24.8128

Rectangle

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



22.8170, 24.8413, 22.3312



21.8001, 24.8413, 25.6085



24.4230, 24.8413, 32.3861



25.5193, 24.8413, 28.5404

Sweetspot

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



22.8177, 24.8424, 22.3317



41.8877, 44.5024, 45.9909



21.3909, 21.5013, 21.7620



9.3582, 9.9658, 10.1670



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.8177, 24.8424, 22.3317



39.7308, 43.5771, 37.4576



21.6420, 24.2363, 22.2767



5.3665, 5.8117, 5.3913



15.3895, 20.3036, 3.1079



0.1107, 0.1392, 0.0210

Inverse Universe

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



20.1289, 20.3616, 26.9154



34.0347, 34.0845, 47.1683



21.2654, 20.9475, 26.9686



4.8328, 4.9222, 6.3012



4.4500, 1.8082, 22.1602



0.0365, 0.0156, 0.1475

Previews

White Background



This preview shows how the XYZ color 22.8170, 24.8413, 22.3312 looks on a white background.

Color Contrast Check

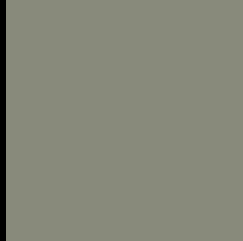
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8170, 24.8413, 22.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

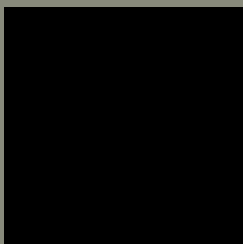
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

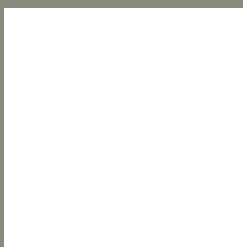
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8170, 24.8413, 22.3312

Background



This preview shows how black text looks on a background with the XYZ color 22.8170, 24.8413, 22.3312.



This preview shows how white text looks on a background with the XYZ color 22.8170, 24.8413,

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

22.8170, 24.8413, 22.3312

Protanopia

23.4723, 24.7642, 21.9552

Deuteranopia

25.2158, 24.8278, 22.5320



Tritanopia

24.4223, 24.8612, 30.2996

Trichromacy



Original Color

22.8170, 24.8413, 22.3312

Protanomaly

23.2737, 24.8719, 21.9865

Deuteranomaly

24.1958, 24.7085, 22.5627

Tritanomaly

23.8007, 24.8177, 27.2028

Monochromacy



Original Color

22.8170, 24.8413, 22.3312

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1957, 24.7643, 25.0302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8170, 24.8413, 22.3312 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(136, 138, 123) looks like.

```
.text, #text, p{  
    color:rgb(136, 138, 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(136, 138, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 138, 123) }
```

Border

The CSS property to change the border of an element to XYZ 22.8170, 24.8413, 22.3312 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(136, 138, 123) }
```


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

```
.border{ border-color:rgb(136, 138, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 138, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 138, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 138, 123);  
box-shadow:4px 4px 4px 4px rgb(136, 138,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8170, 24.8413, 22.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 138, 123) }
```

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

```
.background{ background-color: rgb(136,  
138, 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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