

Converting Colors

XYZ(28.2124, 23.9749, 13.4718)

Have a look what the booklet for
XYZ(28.2124, 23.9749, 13.4718)
contains.

XYZ(28.2214, 23.9375, 13.4889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.2214, 23.9375,
13.4889)**

Conversions

Conversions Part 1

Format	Color
Hex	B8765D
RGB	184, 118, 93
RGB Percent	72%, 46%, 36%
CMY	0.2784, 0.5372, 0.6353
CMYK	0.00, 0.36, 0.49, 0.28
HSL	16°, 39%, 54%
HSV	16°, 49%, 72%
XYZ	28.2214, 23.9375, 13.4889
YIQ	134.8840, 47.3610, 6.2170

Conversions

Conversions Part 2

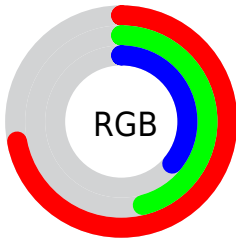
Format	Color
RYB	184, 127, 93
Decimal	12088925
CIELab	56.03, 23.11, 24.48
CIELCh	56, 33.668, 46.644
Yxy	23.9375, 0.4299, 0.3646
Android (android.graphics.Color)	4290279005 (0xFFB8765D)
YUV	134.8840, -20.6488, 43.0747
Hunter-Lab	48.9260, 17.3417, 17.9019

Details

The XYZ color **28.2214, 23.9375, 13.4889** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **25.5635, 30.5829, 49.9031**, and the grayscale version is **23.0485, 24.2488, 26.4069**.

A 20% lighter version of the original color is **56.2149, 50.0167, 33.0769**, and **11.5433, 9.0507, 3.8279** is the 20% darker color. If you saturate the color by 10%, you get **26.0406, 20.7271, 9.2135**, and if you desaturate by 10%, it is **30.8218, 27.6734, 18.8720**.

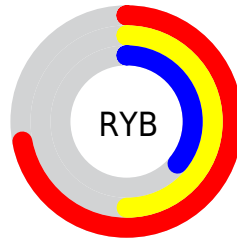
Distribution



Red (72%)

Green (46%)

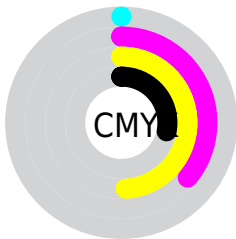
Blue (36%)



Red (72%)

Yellow (50%)

Blue (36%)

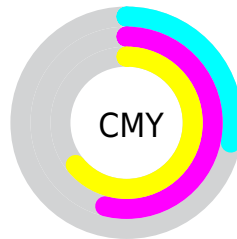


Cyan (0%)

Magenta (36%)

Yellow (49%)

Black (28%)



Cyan (28%)


Magenta (54%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2214, 23.9375, 13.4889 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 28.2214, 23.9375, 13.4889 by changing the saturation by 10% instead.


 28.2214, 23.9375,
13.4889


 28.2214, 23.9375,
13.4889


285.5843,
272.5043, 225.3444


 18.6339, 15.2873,
7.6314


 56.2439, 49.9282,
32.8833


 11.5085, 9.0212,
3.7756


 75.4096, 68.0374,
47.2573

 6.4798, 4.7550,
1.5031


 98.4988, 90.0685,
65.3072

 3.1823, 2.1043,
0.2202

 125.8769,
116.4057, 87.4516

 1.2509, 0.6670,
0.0000

157.9091,
147.4335, 114.1090

 0.1460, 0.0000,
0.0000

194.9608,

 0.0000, 0.0000,

183.5363, 145.6979

0.0000

237.3974,
225.0984, 182.6368

■ 28.2214, 23.9375,
13.4889

■ 28.2214, 23.9375,
13.4889

■ 26.0406, 20.7271,
9.2135

■ 30.8218, 27.6734,
18.8720

■ 24.2541, 18.0142,
5.9660

■ 33.8617, 31.9539,
25.4322

■ 22.8362, 15.7738,
3.6580


■ 37.3616, 36.8014,
33.2347


■ 21.7572, 13.9768,
2.1853


■ 41.3405, 42.2359,
42.3396

■ 20.9689, 12.5851,
1.3527


■ 45.8159, 48.2766,
52.8031

 20.9317, 12.5195,
1.3133

 50.8047, 54.9416,
64.6779

 56.3227, 62.2483,
78.0142

 62.3852, 70.2136,
92.8593

 68.4217, 78.6193,
106.1766

Harmonies

Analogous

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



30.6063, 23.9375, 20.4513



28.2214, 23.9375, 13.4889



24.5050, 23.9375, 10.4005

Triad

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



28.2214, 23.9375, 13.4889



16.2832, 23.9375, 21.4671



24.9385, 23.9375, 52.1075

Complementary

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



28.2214, 23.9375, 13.4889



25.5635, 30.5829, 49.9031

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.



21.0844, 23.9375, 52.6087



28.2214, 23.9375, 13.4889



16.3713, 23.9375, 32.6194

Square

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



28.2214, 23.9375, 13.4889



17.7830, 23.9375, 14.0509



18.0391, 23.9375, 44.7158



28.5695, 23.9375, 43.4947

Rectangle

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



28.2214, 23.9375, 13.4889



21.9062, 23.9375, 10.1686



18.0391, 23.9375, 44.7158



23.6191, 23.9375, 53.3001

Sweetspot

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



28.2220, 23.9387, 13.4894



70.6535, 70.7234, 66.8937



30.0035, 20.5480, 35.5204



14.9136, 14.8113, 13.6968



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.2220, 23.9387, 13.4894



47.0161, 37.2899, 16.3436



34.7988, 37.0923, 15.6816



9.2001, 9.4031, 9.4370



14.4778, 8.7321, 0.9224



0.5639, 0.4149, 0.0504

Inverse Universe

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



25.5635, 30.5829, 49.9031



41.6002, 50.5848, 89.7759



19.2098, 17.8754, 47.7852



9.0524, 9.7820, 11.4904



11.8466, 14.1529, 33.3605



0.4664, 0.5966, 1.1923

Previews

White Background



This preview shows how the XYZ color 28.2214, 23.9375, 13.4889 looks on a white background.

Color Contrast Check

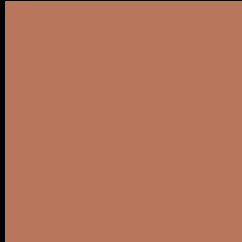
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2214, 23.9375, 13.4889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

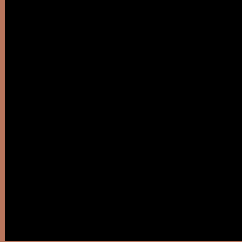
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2214, 23.9375, 13.4889

Background



This preview shows how black text looks on a background with the XYZ color 28.2214, 23.9375, 13.4889.



This preview shows how white text looks on a background with the XYZ color 28.2214, 23.9375,

13.4889.

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

28.2214, 23.9375, 13.4889

Protanopia

22.4658, 24.1773, 15.5392

Deuteranopia

24.4365, 24.0329, 13.2484



Tritanopia

29.7799, 23.8789, 21.4519

Trichromacy



Original Color

28.2214, 23.9375, 13.4889

Protanomaly

24.3060, 23.9345, 14.6480

Deuteranomaly

25.6276, 23.8750, 13.3828

Tritanomaly

29.0076, 23.7235, 18.0891

Monochromacy



Original Color

28.2214, 23.9375, 13.4889

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.3773, 23.8289, 21.0839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2214, 23.9375, 13.4889 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(184, 118, 93)` looks like.

```
.text, #text, p{  
    color:rgb(184, 118, 93)  
}
```

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(184, 118, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 118, 93) }
```

Border

The CSS property to change the border of an element to XYZ 28.2214, 23.9375, 13.4889 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(184, 118, 93) }
```


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

```
.border{ border-color:rgb(184, 118, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 118, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 118, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 118, 93);  
box-shadow:4px 4px 4px 4px rgb(184, 118,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2214, 23.9375, 13.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 118, 93) }
```

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

```
.background{ background-color: rgb(184,  
118, 93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor