

Converting Colors

XYZ(23.1562, 22.4127, 12.7252)

Have a look what the booklet for
XYZ(23.1562, 22.4127, 12.7252)
contains.

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Color

**XYZ(23.1537, 22.4226,
12.7805)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7C5A
RGB	158, 124, 90
RGB Percent	62%, 49%, 35%
CMY	0.3804, 0.5137, 0.6471
CMYK	0.00, 0.22, 0.43, 0.38
HSL	30°, 27%, 49%
HSV	30°, 43%, 62%
XYZ	23.1537, 22.4226, 12.7805
YIQ	130.2900, 31.1780, -3.3660

Conversions

Conversions Part 2

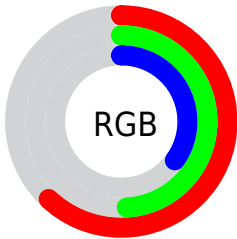
Format	Color
RYB	158, 158, 90
Decimal	10386522
CIELab	54.47, 8.51, 23.58
CIElCh	54, 25.068, 70.157
Yxy	22.4226, 0.3968, 0.3842
Android (android.graphics.Color)	4288576602 (0xFF9E7C5A)
YUV	130.2900, -19.8630, 24.3017
Hunter-Lab	47.3525, 4.4133, 17.1443

Details

The XYZ color **23.1537, 22.4226, 12.7805** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.5954, 19.0569, 35.0988**, and the grayscale version is **21.3818, 22.4953, 24.4973**.

A 20% lighter version of the original color is **48.1873, 47.6339, 31.4655**, and **8.7964, 8.2173, 3.5053** is the 20% darker color. If you saturate the color by 10%, you get **21.6009, 20.2812, 9.2903**, and if you desaturate by 10%, it is **24.9299, 24.7819, 17.0510**.

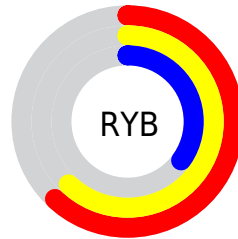
Distribution



Red (62%)

Green (49%)

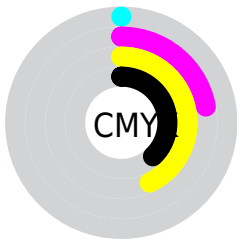
Blue (35%)



Red (62%)

Yellow (62%)

Blue (35%)

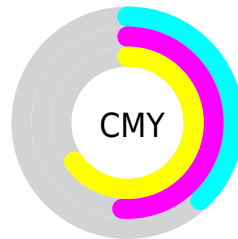


Cyan (0%)

Magenta (22%)

Yellow (43%)

Black (38%)



Cyan (38%)

Magenta (51%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1537, 22.4226, 12.7805 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 23.1537, 22.4226, 12.7805 by changing the saturation by 10% instead.

■ 23.1537, 22.4226,
12.7805

■ 23.1537, 22.4226,
12.7805

261.0341,
264.7453, 220.6643

■ 14.8284, 14.1677,
7.1486

■ 48.1104, 47.4435,
31.5943

■ 8.7845, 8.2374,
3.4754

■ 65.4724, 64.9783,
45.6132

■ 4.6569, 4.2472,
1.3422

■ 86.5774, 86.3752,
63.2650

■ 2.0801, 1.8128,
0.0960

■ 111.7907,
112.0186, 84.9680

■ 0.6783, 0.4951,
0.0000

■ 141.4777,
142.2930, 111.1410

■ 0.0000, 0.0000,
0.0000

176.0037,

177.5826, 142.2023

215.7340,
218.2719, 178.5705

■ 23.1537, 22.4226,
12.7805

■ 23.1537, 22.4226,
12.7805

■ 21.6009, 20.2812,
9.2903

■ 24.9299, 24.7819,
17.0510

■ 20.2588, 18.3473,
6.5303

■ 26.9380, 27.3629,
22.1448

■ 19.1160, 16.6139,
4.4466

■ 29.1879, 30.1731,
28.1037

■ 18.1586, 15.0724,
2.9771

■ 31.6886, 33.2189,
34.9659

■ 17.3709, 13.7131,
2.0480

■ 34.4483, 36.5061,
42.7675

■ 16.8972, 12.8623,
1.5921

■ 37.4750, 40.0404,
51.5424

■ 40.7763, 43.8274,
61.3231

■ 44.3595, 47.8723,
72.1403

■ 48.2315, 52.1804,
84.0236

Harmonies

Analogous

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



25.6043, 22.4226, 15.9086



23.1537, 22.4226, 12.7805



20.3950, 22.4226, 12.3563

Triad

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



23.1537, 22.4226, 12.7805



16.5288, 22.4226, 27.1772



24.8989, 22.4226, 37.8804

Complementary

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



23.1537, 22.4226, 12.7805



17.5954, 19.0569, 35.0988

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.



22.2561, 22.4226, 42.5138



23.1537, 22.4226, 12.7805



17.5284, 22.4226, 35.5133

Square

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



23.1537, 22.4226, 12.7805



16.7242, 22.4226, 19.6358



19.5707, 22.4226, 41.5651



26.6703, 22.4226, 29.9114

Rectangle

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



23.1537, 22.4226, 12.7805



18.7697, 22.4226, 13.5408



19.5707, 22.4226, 41.5651



24.0741, 22.4226, 39.9497

Sweetspot

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



23.1543, 22.4237, 12.7809



52.9119, 54.6792, 50.7845



21.3950, 16.0369, 21.0368



11.7270, 12.0776, 10.9070



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.1543, 22.4237, 12.7809



39.2327, 36.8385, 16.8833



28.1730, 32.4611, 14.4539



6.8933, 7.1667, 7.0056



13.5723, 10.3803, 1.2883



0.2850, 0.2702, 0.0371

Inverse Universe

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



17.5954, 19.0569, 35.0988



27.7342, 29.8744, 63.0480



14.0444, 11.9549, 33.9151



6.5450, 6.9557, 8.4043



7.2211, 6.5337, 26.7878



0.1714, 0.2014, 0.4931

Previews

White Background



This preview shows how the XYZ color 23.1537, 22.4226, 12.7805 looks on a white background.

Color Contrast Check

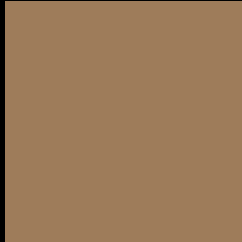
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1537, 22.4226, 12.7805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

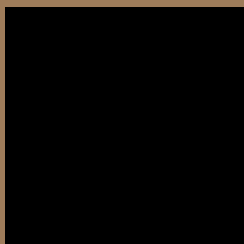
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1537, 22.4226, 12.7805

Background



This preview shows how black text looks on a background with the XYZ color 23.1537, 22.4226, 12.7805.



This preview shows how white text looks on a background with the XYZ color 23.1537, 22.4226,

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

23.1537, 22.4226, 12.7805

Protanopia

20.9429, 22.4183, 13.5793

Deuteranopia

22.8894, 22.4733, 12.8042



Tritanopia

25.3934, 22.4335, 23.4138

Trichromacy



Original Color

23.1537, 22.4226, 12.7805

Protanomaly

21.6836, 22.4141, 13.3087

Deuteranomaly

23.0837, 22.5735, 12.8133

Tritanomaly

24.5726, 22.4667, 18.9610

Monochromacy



Original Color

23.1537, 22.4226, 12.7805

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.6289, 22.2516, 19.3747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1537, 22.4226, 12.7805 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(158, 124, 90)` looks like.

```
.text, #text, p{  
    color:rgb(158, 124, 90)  
}
```

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(158, 124, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 124, 90) }
```

Border

The CSS property to change the border of an element to XYZ 23.1537, 22.4226, 12.7805 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(158, 124, 90) }
```


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

```
.border{ border-color:rgb(158, 124, 90) }
```

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

Here you see how a box with a 4 pixel rgb(158, 124, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 124, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 124, 90);  
box-shadow:4px 4px 4px 4px rgb(158, 124,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1537, 22.4226, 12.7805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 124, 90) }
```

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

```
.background{ background-color: rgb(158,  
124, 90) }
```

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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