

Converting Colors

XYZ(24.1522, 22.9298, 12.8972)

Have a look what the booklet for
XYZ(24.1522, 22.9298, 12.8972)
contains.

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Color

**XYZ(24.1574, 22.9400,
12.8275)**

Conversions

Conversions Part 1

Format	Color
Hex	A37C5A
RGB	163, 124, 90
RGB Percent	64%, 49%, 35%
CMY	0.3608, 0.5137, 0.6471
CMYK	0.00, 0.24, 0.45, 0.36
HSL	28°, 29%, 50%
HSV	28°, 45%, 64%
XYZ	24.1574, 22.9400, 12.8275
YIQ	131.7850, 34.1580, -2.3060

Conversions

Conversions Part 2

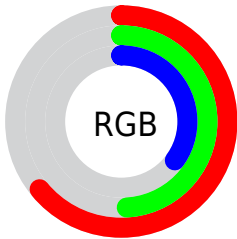
Format	Color
R_{YB}	163, 154, 90
Decimal	10714202
CIE _{Lab}	55.01, 10.64, 24.39
CIE _{LCh}	55, 26.607, 66.430
Yxy	22.9400, 0.4031, 0.3828
Android (android.graphics.Color)	4288904282 (0xFFA37C5A)
YUV	131.7850, -20.6000, 27.3756
Hunter-Lab	47.8957, 6.2134, 17.6479

Details

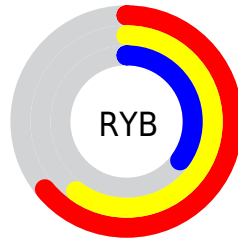
The XYZ color **24.1574, 22.9400, 12.8275** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.6773, 20.5178, 37.6263**, and the grayscale version is **21.9184, 23.0598, 25.1122**.

A 20% lighter version of the original color is **49.6692, 48.3978, 31.5348**, and **9.2774, 8.4652, 3.5279** is the 20% darker color. If you saturate the color by 10%, you get **22.4949, 20.6062, 9.2177**, and if you desaturate by 10%, it is **26.0696, 25.5296, 17.2717**.

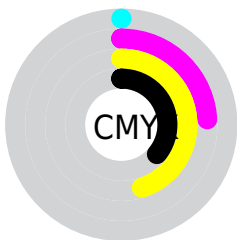
Distribution



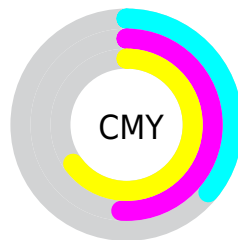
- Red (64%)
- Green (49%)
- Blue (35%)



- Red (64%)
- Yellow (60%)
- Blue (35%)



- Cyan (0%)
- Magenta (24%)
- Yellow (45%)
- Black (36%)





- Cyan (36%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1574, 22.9400, 12.8275 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 24.1574, 22.9400, 12.8275 by changing the saturation by 10% instead.


 24.1574, 22.9400,
12.8275

 24.1574, 22.9400,
12.8275


266.0410,
267.4167, 220.9780


 15.5758, 14.5492,
7.1805


 49.7397, 48.2948,
31.6802


 9.3134, 8.5036,
3.4951


 67.4712, 66.0276,
45.7229


 5.0049, 4.4189,
1.3527

 88.9833, 87.6432,
63.4014

 2.2849, 1.9105,
0.1044

 114.6414,
113.5259, 85.1341

 0.7869, 0.5547,
0.0000

 144.8108,
144.0603, 111.3396

 0.0000, 0.0000,
0.0000

179.8570,

179.6306, 142.4364

220.1453,
220.6212, 178.8430

■ 24.1574, 22.9400,
12.8275

■ 24.1574, 22.9400,
12.8275

■ 22.4949, 20.6062,
9.2177

■ 26.0696, 25.5296,
17.2717

■ 21.0678, 18.5159,
6.3871

■ 28.2413, 28.3802,
22.5978

■ 19.8629, 16.6606,
4.2760

■ 30.6838, 31.5008,
28.8514

■ 18.8645, 15.0297,
2.8153

■ 33.4072, 34.8991,
36.0745

■ 18.0538, 13.6111,
1.9198

■ 36.4210, 38.5822,
44.3066

■ 17.6836, 12.9452,
1.5666

■ 39.7342, 42.5572,
53.5849

■ 43.3554, 46.8307,
63.9447

■ 47.2928, 51.4092,
75.4196

■ 51.5545, 56.2990,
88.0418

Harmonies

Analogous

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



26.7061, 22.9400, 16.5016



24.1574, 22.9400, 12.8275



21.1732, 22.9400, 12.0387

Triad

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



24.1574, 22.9400, 12.8275



16.6275, 22.9400, 26.8463



25.3577, 22.9400, 40.5044

Complementary

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



24.1574, 22.9400, 12.8275



18.6773, 20.5178, 37.6263

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.



22.4468, 22.9400, 44.9060



24.1574, 22.9400, 12.8275



17.5414, 22.9400, 35.9499

Square

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



24.1574, 22.9400, 12.8275



16.9963, 22.9400, 19.0156



19.6082, 22.9400, 43.0742



27.4418, 22.9400, 32.0716

Rectangle

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



24.1574, 22.9400, 12.8275



19.3695, 22.9400, 13.0491



19.6082, 22.9400, 43.0742



24.4339, 22.9400, 42.5821

Sweetspot

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



24.1580, 22.9411, 12.8280



55.6718, 57.3221, 53.5520



22.7999, 16.7148, 23.1967



12.2820, 12.5948, 11.4485



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.1580, 22.9411, 12.8280



40.2267, 36.8182, 16.3837



29.4082, 33.4416, 14.5780



7.3330, 7.6044, 7.4614



13.7881, 10.1501, 1.2325



0.3369, 0.3077, 0.0416

Inverse Universe

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



18.6773, 20.5178, 37.6263



29.1051, 31.8919, 66.6779



14.7992, 12.7616, 36.3336



6.9991, 7.4571, 8.9735



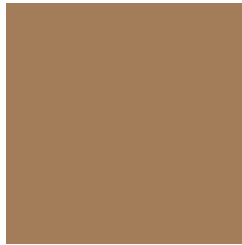
7.8372, 7.4537, 27.9554



0.2115, 0.2502, 0.6030

Previews

White Background



This preview shows how the XYZ color 24.1574, 22.9400, 12.8275 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 24.1574, 22.9400, 12.8275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

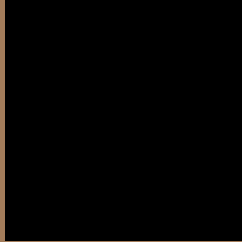
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.1574, 22.9400, 12.8275

Background



This preview shows how black text looks on a background with the XYZ color 24.1574, 22.9400, 12.8275.



This preview shows how white text looks on a background with the XYZ color 24.1574, 22.9400,

12.8275.

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

24.1574, 22.9400, 12.8275

Protanopia

21.3824, 23.0436, 13.6768

Deuteranopia

23.4069, 22.9290, 12.8649



Tritanopia

26.4295, 22.9677, 23.4623

Trichromacy



Original Color

24.1574, 22.9400, 12.8275

Protanomaly

22.3597, 22.9573, 13.3779

Deuteranomaly

23.6763, 22.8790, 12.8411

Tritanomaly

25.6005, 22.9966, 19.0091

Monochromacy



Original Color

24.1574, 22.9400, 12.8275

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.3888, 22.8245, 20.0552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1574, 22.9400, 12.8275 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(163, 124, 90)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 124, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 124, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.1574, 22.9400, 12.8275 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(163, 124, 90) }
```


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

```
.border{ border-color:rgb(163, 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(163, 124, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 124, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 124, 90);  
box-shadow:4px 4px 4px 4px rgb(163, 124,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1574, 22.9400, 12.8275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 124, 90) }
```

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

```
.background{ background-color: rgb(163,  
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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