

Converting Colors

XYZ(13.1000, 12.6383, 4.3338)

Have a look what the booklet for
XYZ(13.1000, 12.6383, 4.3338)
contains.

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Color

**XYZ(13.1000, 12.6383,
4.3338)**

Conversions

Conversions Part 1

Format	Color
Hex	7E5E2E
RGB	126, 94, 46
RGB Percent	49%, 37%, 18%
CMY	0.5059, 0.6314, 0.8196
CMYK	0.00, 0.25, 0.63, 0.51
HSL	36°, 47%, 34%
HSV	36°, 63%, 49%
XYZ	13.1000, 12.6383, 4.3338
YIQ	98.0960, 34.4800, -8.1440

Conversions

Conversions Part 2

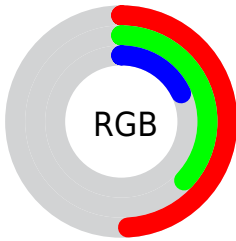
Format	Color
RYB	99, 126, 46
Decimal	8281646
CIELab	42.21, 7.36, 32.08
CIElCh	42, 32.914, 77.086
Yxy	12.6383, 0.4356, 0.4203
Android (android.graphics.Color)	4286471726 (0xFF7E5E2E)
YUV	98.0960, -25.6833, 24.4718
Hunter-Lab	35.5504, 3.5625, 17.6575

Details

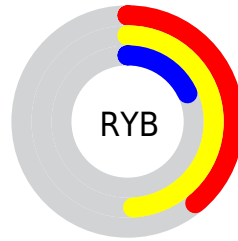
The XYZ color **13.1000, 12.6383, 4.3338** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.6168, 7.5356, 20.7915**, and the grayscale version is **11.6896, 12.2984, 13.3929**.

A 20% lighter version of the original color is **31.0497, 30.5784, 14.8554**, and **3.8810, 3.5698, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **12.4537, 11.6865, 3.0679**, and if you desaturate by 10%, it is **13.8491, 13.6791, 5.9941**.

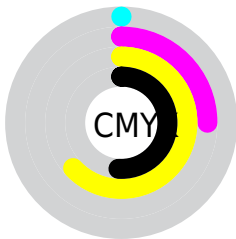
Distribution



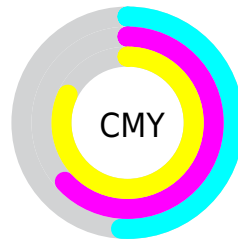
- Red (49%)
- Green (37%)
- Blue (18%)



- Red (39%)
- Yellow (49%)
- Blue (18%)



- Cyan (0%)
- Magenta (25%)
- Yellow (63%)
- Black (51%)



- Cyan (51%)
- Magenta (63%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1000, 12.6383, 4.3338 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 13.1000, 12.6383, 4.3338 by changing the saturation by 10% instead.

■ 13.1000, 12.6383,
4.3338

■ 13.1000, 12.6383,
4.3338

205.1822,
208.5864, 151.8663

■ 7.5749, 7.1800,
1.8102

■ 31.0831, 30.6524,
14.7726

■ 3.8737, 3.5749,
0.4347

■ 44.2718, 43.9770,
23.5248

■ 1.6309, 1.4387,
0.0000

■ 60.7458, 60.6924,
35.1903

■ 0.4124, 0.2450,
0.0000

■ 80.8705, 81.1831,
50.1877

■ 0.0000, 0.0000,
0.0000

■ 105.0111,
105.8335, 68.9354

■ 133.5330,

135.0279, 91.8521

166.8016,
169.1507, 119.3562

■ 13.1000, 12.6383,
4.3338

■ 13.1000, 12.6383,
4.3338

■ 12.4537, 11.6865,
3.0679

■ 13.8491, 13.6791,
5.9941

■ 11.9021, 10.8180,
2.1606

■ 14.7065, 14.8104,
8.0788

■ 11.4367, 10.0290,
1.5685

■ 15.6782, 16.0359,
10.6157

■ 11.1614, 9.5502,
1.2551

■ 16.7695, 17.3586,
13.6302

■ 17.9852, 18.7812,
17.1456

■ 19.3301, 20.3065,
21.1838

■ 20.8084, 21.9367,
25.7654

■ 22.4242, 23.6745,
30.9098

■ 24.1816, 25.5220,
36.6354

Harmonies

Analogous

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



15.5270, 12.6383, 6.0366



13.1000, 12.6383, 4.3338



10.6763, 12.6383, 4.4530

Triad

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



13.1000, 12.6383, 4.3338



8.0368, 12.6383, 18.1342



15.8176, 12.6383, 25.1903

Complementary

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



13.1000, 12.6383, 4.3338



7.6168, 7.5356, 20.7915

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.



13.4554, 12.6383, 31.1815



13.1000, 12.6383, 4.3338



9.0726, 12.6383, 26.2479

Square

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



13.1000, 12.6383, 4.3338



7.9688, 12.6383, 10.9518



10.9866, 12.6383, 31.6237



17.2340, 12.6383, 17.0136

Rectangle

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



13.1000, 12.6383, 4.3338



9.3813, 12.6383, 5.5402



10.9866, 12.6383, 31.6237



15.0943, 12.6383, 27.6321

Sweetspot

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



13.1003, 12.6389, 4.3340



30.3574, 31.5472, 26.3880



10.9563, 6.9398, 7.9699



6.7925, 7.0430, 5.6795



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.1003, 12.6389, 4.3340



21.4857, 19.8982, 4.6424



15.4251, 18.9703, 5.4336



4.5255, 4.7397, 4.5965



11.4465, 9.7893, 1.2862



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.6168, 7.5356, 20.7915



11.0256, 10.1936, 36.1308



6.2643, 4.2448, 20.2276



4.2390, 4.4721, 5.4530



5.0470, 3.9125, 20.7391



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1000, 12.6383, 4.3338 looks on a white 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

Black Background



This preview shows how the XYZ color 13.1000, 12.6383, 4.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

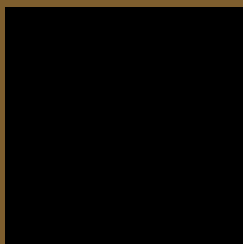
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1000, 12.6383, 4.3338

Background



This preview shows how black text looks on a background with the XYZ color 13.1000, 12.6383, 4.3338.



This preview shows how white text looks on a background with the XYZ color 13.1000, 12.6383,

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

13.1000, 12.6383, 4.3338

Protanopia

11.6462, 12.7073, 4.6352

Deuteranopia

12.8975, 12.6668, 4.3499



Tritanopia

14.8439, 12.7168, 12.4987

Trichromacy



Original Color

13.1000, 12.6383, 4.3338

Protanomaly

12.0832, 12.6536, 4.4949

Deuteranomaly

13.0428, 12.7416, 4.3567

Tritanomaly

14.1339, 12.6851, 8.7247

Monochromacy



Original Color

13.1000, 12.6383, 4.3338

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8703, 12.3020, 9.1460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1000, 12.6383, 4.3338 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(126, 94, 46)` looks like.

```
.text, #text, p{  
    color:rgb(126, 94, 46)  
}
```

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(126, 94, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 94, 46) }
```

Border

The CSS property to change the border of an element to XYZ 13.1000, 12.6383, 4.3338 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(126, 94, 46) }
```


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

```
.border{ border-color:rgb(126, 94, 46) }
```

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

Here you see how a box with a 4 pixel rgb(126, 94, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 94, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 94, 46);  
box-shadow:4px 4px 4px 4px rgb(126, 94,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1000, 12.6383, 4.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 94, 46) }
```

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

```
.background{ background-color: rgb(126, 94,  
46) }
```

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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