

Converting Colors

XYZ(12.3801, 12.2662, 4.3001)

Have a look what the booklet for
XYZ(12.3801, 12.2662, 4.3001)
contains.

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Color

**XYZ(12.3810, 12.2676,
4.3001)**

Conversions

Conversions Part 1

Format	Color
Hex	795E2E
RGB	121, 94, 46
RGB Percent	47%, 37%, 18%
CMY	0.5255, 0.6314, 0.8196
CMYK	0.00, 0.22, 0.62, 0.53
HSL	38°, 45%, 33%
HSV	38°, 62%, 47%
XYZ	12.3810, 12.2676, 4.3001
YIQ	96.6010, 31.5000, -9.2040

Conversions

Conversions Part 2

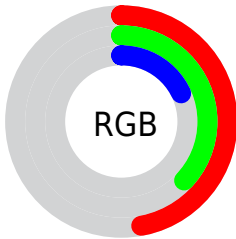
Format	Color
RYB	88, 121, 46
Decimal	7953966
CIELab	41.64, 5.02, 31.27
CIElCh	42, 31.668, 80.881
Yxy	12.2676, 0.4277, 0.4238
Android (android.graphics.Color)	4286144046 (0xFF795E2E)
YUV	96.6010, -24.9463, 21.3979
Hunter-Lab	35.0251, 1.8038, 17.2385

Details

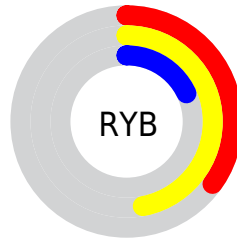
The XYZ color **12.3810, 12.2676, 4.3001** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.9603, 6.7261, 19.0205**, and the grayscale version is **11.3185, 11.9079, 12.9677**.

A 20% lighter version of the original color is **29.8981, 29.9848, 14.8015**, and **3.5827, 3.4160, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **11.7990, 11.4329, 3.0908**, and if you desaturate by 10%, it is **13.0528, 13.1741, 5.8714**.

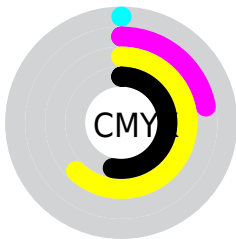
Distribution



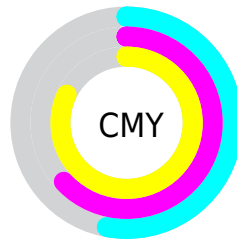
- Red (47%)
- Green (37%)
- Blue (18%)



- Red (35%)
- Yellow (47%)
- Blue (18%)



- Cyan (0%)
- Magenta (22%)
- Yellow (62%)
- Black (53%)





- Cyan (53%)
- Magenta (63%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3810, 12.2676, 4.3001 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 12.3810, 12.2676, 4.3001 by changing the saturation by 10% instead.

 12.3810, 12.2676,
4.3001


 12.3810, 12.2676,
4.3001

200.6304,
206.1689, 151.5048


 7.0778, 6.9262,
1.7914


 29.7980, 29.9816,
14.6962


 3.5575, 3.4160,
0.4223

 42.6425, 43.1229,
23.4206


 1.4550, 1.3526,
0.0000

 58.7314, 59.6330,
35.0540

 0.2949, 0.1814,
0.0000

 78.4302, 79.8963,
50.0150

 0.0000, 0.0000,
0.0000

 102.1041,
104.2971, 68.7220

 130.1185,

133.2199, 91.5936

162.8388,
167.0490, 119.0483

■ 12.3810, 12.2676,
4.3001

■ 12.3810, 12.2676,
4.3001

■ 11.7990, 11.4329,
3.0908

■ 13.0528, 13.1741,
5.8714

■ 11.2996, 10.6652,
2.2121

■ 13.8189, 14.1534,
7.8313

■ 10.8760, 9.9617,
1.6282

■ 14.6846, 15.2087,
10.2045

■ 10.5702, 9.4351,
1.2641

■ 15.6545, 16.3422,
13.0136

■ 16.7330, 17.5563,
16.2795

■ 17.9239, 18.8530,
20.0218

■ 19.2311, 20.2344,
24.2587

■ 20.6582, 21.7024,
29.0079

■ 22.2086, 23.2588,
34.2857

Harmonies

Analogous

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



14.7055, 12.2676, 5.6977



12.3810, 12.2676, 4.3001



10.1419, 12.2676, 4.6261

Triad

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



12.3810, 12.2676, 4.3001



7.9705, 12.2676, 18.4453



15.4726, 12.2676, 23.1425

Complementary

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



12.3810, 12.2676, 4.3001



6.9603, 6.7261, 19.0205

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.



13.3225, 12.2676, 29.1931



12.3810, 12.2676, 4.3001



9.0670, 12.2676, 25.9157

Square

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



12.3810, 12.2676, 4.3001



7.7884, 12.2676, 11.4340



10.9675, 12.2676, 30.3486



16.6397, 12.2676, 15.4850

Rectangle

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



12.3810, 12.2676, 4.3001



8.9784, 12.2676, 5.8420



10.9675, 12.2676, 30.3486



14.8284, 12.2676, 25.5250

Sweetspot

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



12.3813, 12.2682, 4.3003



28.4990, 29.7962, 24.6923



10.0814, 6.5067, 7.1153



6.4175, 6.7003, 5.3514



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.3813, 12.2682, 4.3003



20.7662, 19.9278, 4.8595



13.8861, 17.2515, 5.1829



4.1921, 4.4027, 4.2533



11.3168, 10.0896, 1.3510



53.1542, 46.4718, 6.1684

Inverse Universe

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



6.9603, 6.7261, 19.0205



10.2089, 9.1658, 33.6240



6.0592, 4.1754, 18.5756



3.9048, 4.1079, 5.0303



4.6360, 3.3544, 19.7884



21.3723, 14.5171, 94.1454

Previews

White Background



This preview shows how the XYZ color 12.3810, 12.2676, 4.3001 looks on a white background.

Color Contrast Check

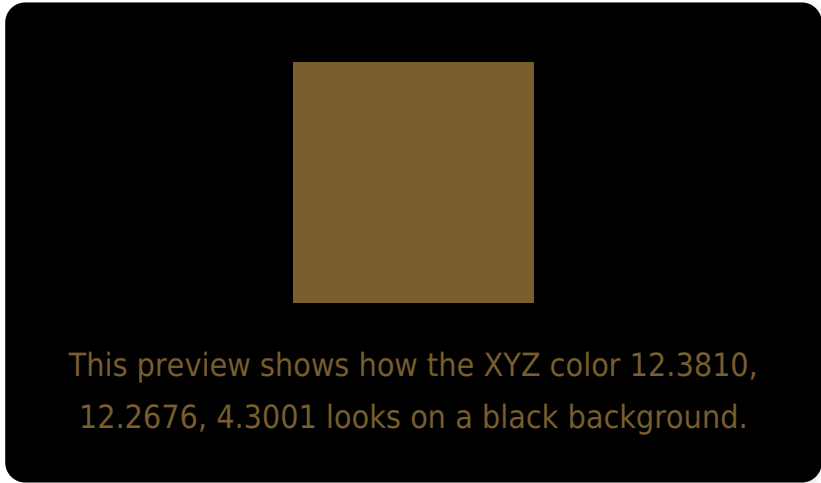
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.3810, 12.2676, 4.3001

Background



This preview shows how black text looks on a background with the XYZ color 12.3810, 12.2676, 4.3001.



This preview shows how white text looks on a background with the XYZ color 12.3810, 12.2676,

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

12.3810, 12.2676, 4.3001

Protanopia

11.2816, 12.3801, 4.4843

Deuteranopia

12.5219, 12.3402, 4.3067



Tritanopia

14.0954, 12.3310, 12.4637

Trichromacy



Original Color

12.3810, 12.2676, 4.3001

Protanomaly

11.5978, 12.2653, 4.4455

Deuteranomaly

12.5219, 12.3402, 4.3067

Tritanomaly

13.3928, 12.3031, 8.6900

Monochromacy



Original Color

12.3810, 12.2676, 4.3001

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5019, 11.9800, 8.9139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3810, 12.2676, 4.3001 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(121, 94, 46)` looks like.

```
.text, #text, p{  
    color:rgb(121, 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(121, 94, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 94, 46) }
```

Border

The CSS property to change the border of an element to XYZ 12.3810, 12.2676, 4.3001 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(121, 94, 46) }
```


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

```
.border{ border-color:rgb(121, 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(121, 94, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 94, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 94, 46);  
box-shadow:4px 4px 4px 4px rgb(121, 94,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3810, 12.2676, 4.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 94, 46) }
```

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

```
.background{ background-color: rgb(121, 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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