

Converting Colors

XYZ(12.4686, 12.8546, 4.4088)

Have a look what the booklet for
XYZ(12.4686, 12.8546, 4.4088)
contains.

XYZ(12.4686, 12.8546, 4.4088)	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(12.4686, 12.8546,
4.4088)**

Conversions

Conversions Part 1	
Format	Color
Hex	77622E
RGB	119, 98, 46
RGB Percent	47%, 38%, 18%
CMY	0.5333, 0.6157, 0.8196
CMYK	0.00, 0.18, 0.61, 0.53
HSL	43°, 44%, 32%
HSV	43°, 61%, 47%
XYZ	12.4686, 12.8546, 4.4088
YIQ	98.3510, 29.2080, -11.7200

Conversions

Conversions Part 2

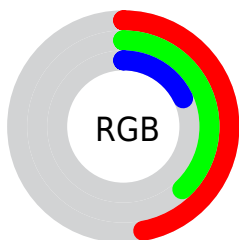
Format	Color
RYB	75, 119, 46
Decimal	7823918
CIELab	42.54, 1.71, 32.26
CIELCh	43, 32.304, 86.958
Yxy	12.8546, 0.4194, 0.4323
Android (android.graphics.Color)	4286013998 (0xFF77622E)
YUV	98.3510, -25.8090, 18.1092
Hunter-Lab	35.8533, -0.6669, 17.8066

Details

The XYZ color **12.4686, 12.8546, 4.4088** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.4636, 5.9268, 18.2560**, and the grayscale version is **11.7546, 12.3668, 13.4674**.

A 20% lighter version of the original color is **29.8439, 30.8722, 14.9757**, and **3.6119, 3.6849, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **11.9525, 12.1471, 3.2357**, and if you desaturate by 10%, it is **13.0641, 13.6168, 5.9296**.

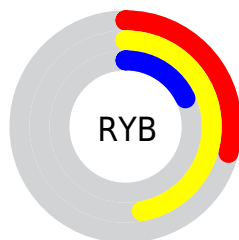
Distribution



Red (47%)

Green (38%)

Blue (18%)



Red (29%)

Yellow (47%)

Blue (18%)

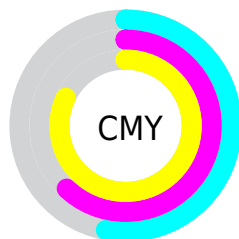


Cyan (0%)

Magenta (18%)

Yellow (61%)

Black (53%)



Cyan (53%)


Magenta (62%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4686, 12.8546, 4.4088 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 12.4686, 12.8546, 4.4088 by changing the saturation by 10% instead.


 12.4686, 12.8546,
4.4088


 12.4686, 12.8546,
4.4088


201.1905,
209.9837, 152.6662


 7.1381, 7.3285,
1.8522


 29.9552, 31.0423,
14.9421


 3.5957, 3.6684,
0.4620


 42.8421, 44.4727,
23.7559


 1.4761, 1.4898,
0.0000

 58.9785, 61.3067,
35.4925

 0.3095, 0.2816,
0.0000

 78.7298, 81.9286,
50.5704

 0.0000, 0.0000,
0.0000

 102.4612,
106.7229, 69.4082

 130.5383,

136.0739, 92.4244

163.3263,
170.3660, 120.0376

■ 12.4686, 12.8546,
4.4088

■ 12.4686, 12.8546,
4.4088

■ 11.9525, 12.1471,
3.2357

■ 13.0641, 13.6168,
5.9296

■ 11.5091, 11.4898,
2.3805

■ 13.7432, 14.4340,
7.8233

■ 11.1322, 10.8806,
1.8093

■ 14.5106, 15.3091,
10.1134

■ 10.8383, 10.3831,
1.4329

■ 15.3708, 16.2440,
12.8214

■ 16.3275, 17.2404,
15.9673

■ 17.3845, 18.3002,
19.5697

■ 18.5452, 19.4249,
23.6460

■ 19.8130, 20.6161,
28.2130

■ 21.1909, 21.8752,
33.2864

Harmonies

Analogous

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



14.9592, 12.8546, 5.4833



12.4686, 12.8546, 4.4088



10.2117, 12.8546, 5.1103

Triad

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



12.4686, 12.8546, 4.4088



8.4945, 12.8546, 21.0154



16.5886, 12.8546, 22.6769

Complementary

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



12.4686, 12.8546, 4.4088



6.4636, 5.9268, 18.2560

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.



14.4710, 12.8546, 29.7167



12.4686, 12.8546, 4.4088



9.8338, 12.8546, 28.5542

Square

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



12.4686, 12.8546, 4.4088



8.1057, 12.8546, 13.2954



11.9706, 12.8546, 32.1618



17.5282, 12.8546, 14.7218

Rectangle

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



12.4686, 12.8546, 4.4088



9.0993, 12.8546, 6.6819



11.9706, 12.8546, 32.1618



15.9782, 12.8546, 25.3182

Sweetspot

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



12.4689, 12.8552, 4.4091



28.0013, 29.5921, 24.5035



9.6251, 6.2922, 6.1602



6.5408, 6.9124, 5.4980



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.



12.4689, 12.8552, 4.4091



21.0279, 21.2072, 5.0323



12.8455, 16.3579, 5.0653



3.8819, 4.0968, 3.9285



11.5068, 11.0148, 1.5196



55.3133, 52.1551, 7.1516

Inverse Universe

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



6.4636, 5.9268, 18.2560



9.2740, 7.6829, 32.2472



6.2068, 4.2655, 17.9489



3.5785, 3.7457, 4.6246



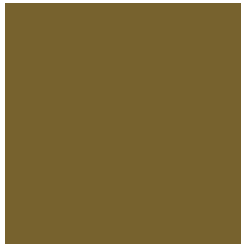
4.1448, 2.6293, 18.8316



19.5491, 11.5148, 91.5525

Previews

White Background



This preview shows how the XYZ color 12.4686, 12.8546, 4.4088 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 12.4686, 12.8546, 4.4088 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 12.4686, 12.8546, 4.4088

Background



This preview shows how black text looks on a background with the XYZ color 12.4686, 12.8546, 4.4088.



This preview shows how white text looks on a background with the XYZ color 12.4686, 12.8546,

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

12.4686, 12.8546, 4.4088

Protanopia

11.8489, 12.9573, 4.5658

Deuteranopia

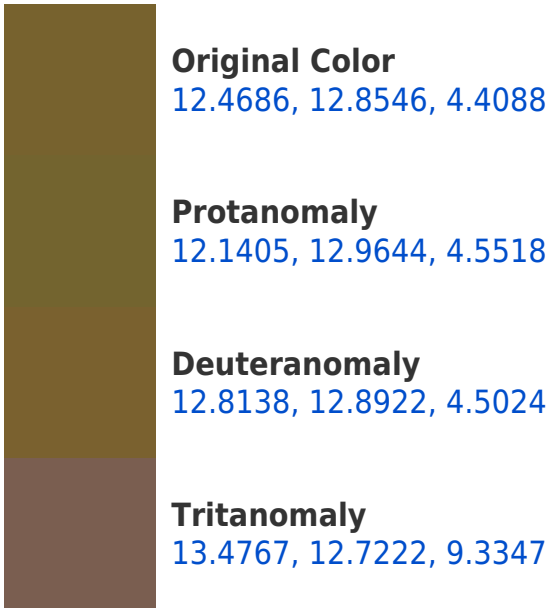
13.0081, 12.8561, 4.4852



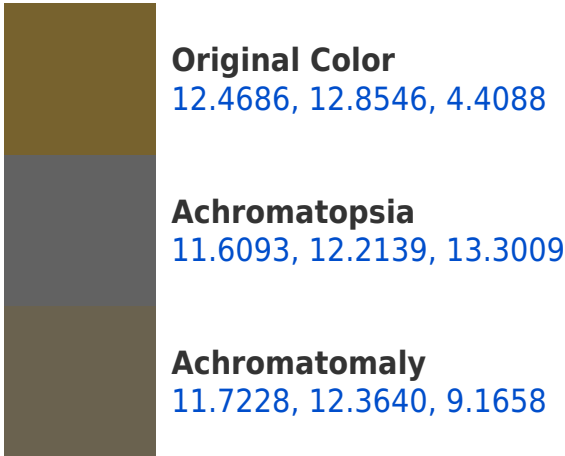
Tritanopia

14.2477, 12.7661, 13.5176

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4686, 12.8546, 4.4088 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(119, 98, 46)` looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 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(119, 98, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 46) }
```

Border

The CSS property to change the border of an element to XYZ 12.4686, 12.8546, 4.4088 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(119, 98, 46) }
```


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

```
.border{ border-color:rgb(119, 98, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 98, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 98, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 98, 46);  
box-shadow:4px 4px 4px 4px rgb(119, 98,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4686, 12.8546, 4.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 46) }
```

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

```
.background{ background-color: rgb(119, 98,  
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](#).

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