

Converting Colors

XYZ(18.4141, 18.3829, 12.2077)

Have a look what the booklet for
XYZ(18.4141, 18.3829, 12.2077)
contains.

XYZ(18.4574, 18.4029, 12.2522)	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(18.4574, 18.4029,
12.2522)**

Conversions

Conversions Part 1

Format	Color
Hex	8A735A
RGB	138, 115, 90
RGB Percent	54%, 45%, 35%
CMY	0.4588, 0.5490, 0.6471
CMYK	0.00, 0.17, 0.35, 0.46
HSL	31°, 21%, 45%
HSV	31°, 35%, 54%
XYZ	18.4574, 18.4029, 12.2522
YIQ	119.0270, 21.7330, -2.8990

Conversions

Conversions Part 2

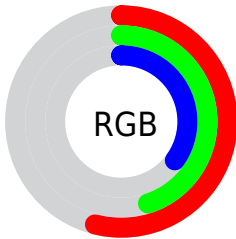
Format	Color
RYB	134, 138, 90
Decimal	9073498
CIELab	49.98, 5.14, 17.20
CIELCh	50, 17.956, 73.360
Yxy	18.4029, 0.3758, 0.3747
Android (android.graphics.Color)	4287263578 (0xFF8A735A)
YUV	119.0270, -14.3103, 16.6393
Hunter-Lab	42.8986, 1.7282, 13.0953

Details

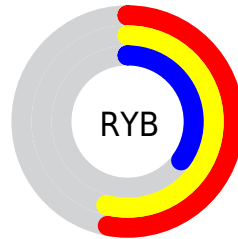
The XYZ color **18.4574, 18.4029, 12.2522** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.7089, 15.8184, 26.3227**, and the grayscale version is **17.5825, 18.4982, 20.1445**.

A 20% lighter version of the original color is **40.2906, 40.7374, 30.5505**, and **6.3923, 6.2224, 3.2470** is the 20% darker color. If you saturate the color by 10%, you get **17.1967, 16.7359, 9.1982**, and if you desaturate by 10%, it is **19.8822, 20.2235, 15.8994**.

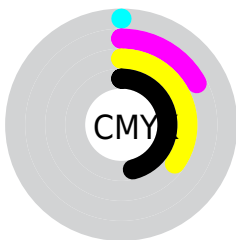
Distribution



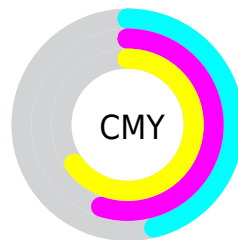
- Red (54%)
- Green (45%)
- Blue (35%)



- Red (53%)
- Yellow (54%)
- Blue (35%)



- Cyan (0%)
- Magenta (17%)
- Yellow (35%)
- Black (46%)



- Cyan (46%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4574, 18.4029, 12.2522 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 18.4574, 18.4029, 12.2522 by changing the saturation by 10% instead.

■ 18.4574, 18.4029,
12.2522

■ 18.4574, 18.4029,
12.2522

236.4327,
243.1323, 217.1047

■ 11.3805, 11.2396,
6.7911

■ 40.3392, 40.7227,
30.6248

■ 6.3926, 6.2283,
3.2553

■ 55.8749, 56.6480,
44.3734

■ 3.1281, 2.9844,
1.2264

■ 74.9608, 76.2627,
61.7216

■ 1.2219, 1.1236,
0.0003

■ 97.9624, 99.9513,
83.0878

■ 0.1235, 0.0000,
0.0000

■ 125.2451,
128.0982, 108.8907

■ 0.0000, 0.0000,
0.0000

157.1741,

161.0877, 139.5488

194.1149,
199.3043, 175.4806

■ 18.4574, 18.4029,
12.2522

■ 18.4574, 18.4029,
12.2522

■ 17.1967, 16.7359,
9.1982

■ 19.8822, 20.2235,
15.8994

■ 16.0916, 15.2151,
6.7041

■ 21.4764, 22.1994,
20.1685

■ 15.1346, 13.8365,
4.7348

■ 23.2466, 24.3358,
25.0876

■ 14.3173, 12.5947,
3.2511

■ 25.1990, 26.6366,
30.6827

■ 13.6298, 11.4838,
2.2078

■ 27.3389, 29.1057,
36.9785

■ 13.0595, 10.4966,
1.5445

■ 29.6718, 31.7468,
43.9982

■ 12.7911, 10.0230,
1.2605

■ 32.2029, 34.5635,
51.7643

■ 34.9370, 37.5592,
60.2980

■ 37.8789, 40.7374,
69.6198

Harmonies

Analogous

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



20.0125, 18.4029, 14.2037



18.4574, 18.4029, 12.2522



16.7370, 18.4029, 12.1512

Triad

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



18.4574, 18.4029, 12.2522



14.4620, 18.4029, 22.3109



19.8661, 18.4029, 27.7582

Complementary

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



18.4574, 18.4029, 12.2522



14.7089, 15.8184, 26.3227

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.



18.2681, 18.4029, 30.7595



18.4574, 18.4029, 12.2522



15.1915, 18.4029, 27.2836

Square

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



18.4574, 18.4029, 12.2522



14.5053, 18.4029, 17.4415



16.5597, 18.4029, 30.5727



20.8616, 18.4029, 22.8794

Rectangle

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



18.4574, 18.4029, 12.2522



15.7321, 18.4029, 13.1115



16.5597, 18.4029, 30.5727



19.3772, 18.4029, 29.0533

Sweetspot

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



18.4579, 18.4038, 12.2526



39.2422, 40.8151, 39.3664



17.1294, 13.9126, 17.4646



8.7180, 9.0532, 8.5976



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.4579, 18.4038, 12.2526



30.7097, 30.0337, 17.1504



21.2833, 24.2504, 13.2322



5.2343, 5.4514, 5.3287



11.7423, 9.2190, 1.1606



0.0927, 0.0906, 0.0126

Inverse Universe

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



14.7089, 15.8184, 26.3227



23.0384, 24.7448, 45.9452



12.5385, 11.3616, 25.5769



4.9594, 5.2617, 6.3601



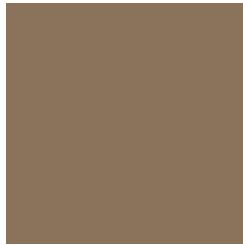
6.0130, 5.2963, 22.7511



0.0545, 0.0642, 0.1560

Previews

White Background



This preview shows how the XYZ color 18.4574, 18.4029, 12.2522 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 18.4574, 18.4029, 12.2522 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 18.4574, 18.4029, 12.2522

Background



This preview shows how black text looks on a background with the XYZ color 18.4574, 18.4029, 12.2522.

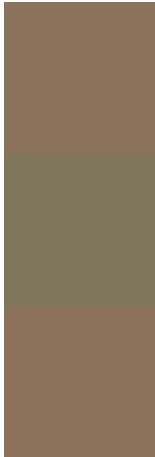


This preview shows how white text looks on a background with the XYZ color 18.4574, 18.4029,

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

18.4574, 18.4029, 12.2522

Protanopia

17.2810, 18.4784, 12.7811

Deuteranopia

18.6780, 18.3483, 12.2300



Tritanopia

20.0591, 18.3877, 20.2612

Trichromacy



Original Color

18.4574, 18.4029, 12.2522

Protanomaly

17.7268, 18.5375, 12.5413

Deuteranomaly

18.5102, 18.2618, 12.2221

Tritanomaly

19.3697, 18.2679, 16.9732

Monochromacy



Original Color

18.4574, 18.4029, 12.2522

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.7894, 18.4752, 16.8158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4574, 18.4029, 12.2522 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(138, 115, 90)` looks like.

```
.text, #text, p{  
    color:rgb(138, 115, 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(138, 115, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 115, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.4574, 18.4029, 12.2522 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(138, 115, 90) }
```


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

```
.border{ border-color:rgb(138, 115, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 115, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 115, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 115, 90);  
box-shadow:4px 4px 4px 4px rgb(138, 115,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4574, 18.4029, 12.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 115, 90) }
```

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

```
.background{ background-color: rgb(138,  
115, 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](#).

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