

Converting Colors

XYZ(15.8814, 12.8299, 4.4441)

Have a look what the booklet for
XYZ(15.8814, 12.8299, 4.4441)
contains.

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Color

**XYZ(15.9166, 12.8499,
4.4377)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | 945430 |
| RGB | 148, 84, 48 |
| RGB Percent | 58%, 33%, 19% |
| CMY | 0.4196, 0.6706, 0.8118 |
| CMYK | 0.00, 0.43, 0.68, 0.42 |
| HSL | 22°, 51%, 38% |
| HSV | 22°, 68%, 58% |
| XYZ | 15.9166, 12.8499, 4.4377 |
| YIQ | 99.0320, 49.7000, 2.3720 |

Conversions

Conversions Part 2

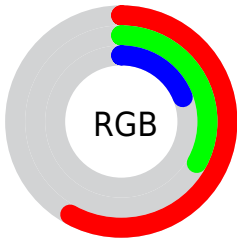
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 148, 104, 48 |
| Decimal | 9720880 |
| CIE _{Lab} | 42.54, 23.29, 32.10 |
| CIE _{LCh} | 43, 39.654, 54.040 |
| Yxy | 12.8499, 0.4794, 0.3870 |
| Android (android.graphics.Color) | 4287910960 (0xFF945430) |
| YUV | 99.0320, -25.1588, 42.9449 |
| Hunter-Lab | 35.8468, 16.5254, 17.7528 |

Details

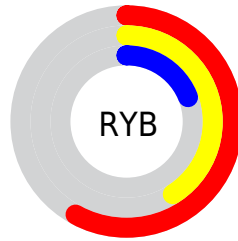
The XYZ color **15.9166, 12.8499, 4.4377** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.3582, 14.3543, 30.1363**, and the grayscale version is **11.9207, 12.5415, 13.6577**.

A 20% lighter version of the original color is **36.0443, 30.9982, 14.9100**, and **5.1812, 3.6525, 0.4606** is the 20% darker color. If you saturate the color by 10%, you get **14.9746, 11.3758, 2.8602**, and if you desaturate by 10%, it is **17.0606, 14.5650, 6.5857**.

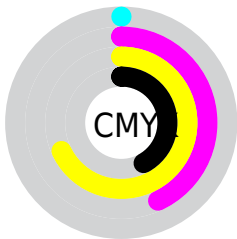
Distribution



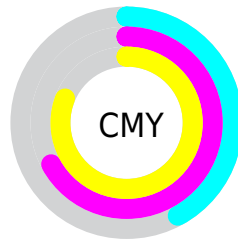
- Red (58%)
- Green (33%)
- Blue (19%)



- Red (58%)
- Yellow (41%)
- Blue (19%)



- Cyan (0%)
- Magenta (43%)
- Yellow (68%)
- Black (42%)





- Cyan (42%)
- Magenta (67%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9166, 12.8499, 4.4377 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 15.9166, 12.8499, 4.4377 by changing the saturation by 10% instead.


 15.9166, 12.8499,
4.4377

 15.9166, 12.8499,
4.4377


222.1292,
209.9534, 152.9728


 9.5556, 7.3253,
1.8684


 36.0120, 31.0339,
15.0073


 5.1653, 3.6663,
0.4725

 50.4771, 44.4620,
23.8446


 2.3803, 1.4887,
0.0000

 68.3743, 61.2934,
35.6084

 0.8353, 0.2808,
0.0000

 90.0690, 81.9125,
50.7172

 0.0000, 0.0000,
0.0000

 115.9264,
106.7036, 69.5895

 146.3120,

136.0512, 92.6438

181.5912,
170.3397, 120.2987

■ 15.9166, 12.8499,
4.4377

■ 15.9166, 12.8499,
4.4377

■ 14.9746, 11.3758,
2.8602

■ 17.0606, 14.5650,
6.5857

■ 14.2190, 10.1285,
1.7952

■ 18.4186, 16.5302,
9.3529

■ 13.6268, 9.0925,
1.1402

■ 20.0026, 18.7566,
12.7835

■ 13.4989, 8.8681,
1.0003

■ 21.8232, 21.2538,
16.9177

■ 23.8906, 24.0310,
21.7920

■ 26.2141, 27.0969,
27.4408

■ 28.8027, 30.4599,
33.8961

■ 31.6646, 34.1279,
41.1881

■ 34.8080, 38.1086,
49.3455

Harmonies

Analogous

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



18.2634, 12.8499, 8.2909



15.9166, 12.8499, 4.4377



12.8212, 12.8499, 3.1636

Triad

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



15.9166, 12.8499, 4.4377



7.3347, 12.8499, 12.3479



14.7127, 12.8499, 35.1035

Complementary

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



15.9166, 12.8499, 4.4377



12.3582, 14.3543, 30.1363

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.



11.6252, 12.8499, 37.6389



15.9166, 12.8499, 4.4377



7.6732, 12.8499, 21.8425

Square

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



15.9166, 12.8499, 4.4377



8.1202, 12.8499, 6.3696



9.1344, 12.8499, 32.0357



17.4926, 12.8499, 26.0819

Rectangle

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



15.9166, 12.8499, 4.4377



10.8690, 12.8499, 3.3157



9.1344, 12.8499, 32.0357



13.6644, 12.8499, 36.8637

Sweetspot

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



15.9169, 12.8506, 4.4379



41.0754, 40.9624, 35.8786



16.2504, 9.6022, 16.6198



9.1617, 9.0627, 7.6823



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.9169, 12.8506, 4.4379



25.7092, 18.9118, 3.9915



21.1338, 23.2844, 6.1769



5.9615, 6.1368, 6.1108



11.5542, 7.6229, 0.8624



0.1675, 0.1455, 0.0193

Inverse Universe

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



12.3582, 14.3543, 30.1363



18.9015, 21.6150, 52.6105



8.3418, 6.3217, 28.7975



5.7903, 6.2145, 7.3641



8.0656, 8.8261, 25.2095



0.1267, 0.1641, 0.3179

Previews

White Background



This preview shows how the XYZ color 15.9166, 12.8499, 4.4377 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 15.9166, 12.8499, 4.4377 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 15.9166, 12.8499, 4.4377

Background



This preview shows how black text looks on a background with the XYZ color 15.9166, 12.8499, 4.4377.



This preview shows how white text looks on a background with the XYZ color 15.9166, 12.8499,

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

15.9166, 12.8499, 4.4377

Protanopia

11.8751, 12.9532, 5.3644

Deuteranopia

13.1140, 12.9152, 4.2843



Tritanopia

17.0860, 12.8772, 10.1794

Trichromacy



Original Color

15.9166, 12.8499, 4.4377

Protanomaly

13.0242, 12.7174, 5.0171

Deuteranomaly

13.9932, 12.8381, 4.3252

Tritanomaly

16.5066, 12.7423, 7.7204

Monochromacy



Original Color

15.9166, 12.8499, 4.4377

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.7868, 12.3665, 9.3025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9166, 12.8499, 4.4377 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(148, 84, 48)` looks like.

```
.text, #text, p{  
    color:rgb(148, 84, 48)  
}
```

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(148, 84, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 84, 48) }
```

Border

The CSS property to change the border of an element to XYZ 15.9166, 12.8499, 4.4377 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(148, 84, 48) }
```


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

```
.border{ border-color:rgb(148, 84, 48) }
```

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

Here you see how a box with a 4 pixel rgb(148, 84, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 84, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 84, 48);  
box-shadow:4px 4px 4px 4px rgb(148, 84,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9166, 12.8499, 4.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 84, 48) }
```

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

```
.background{ background-color: rgb(148, 84,  
48) }
```

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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