

Converting Colors

XYZ(17.5577, 12.6326, 1.5136)

Have a look what the booklet for
XYZ(17.5577, 12.6326, 1.5136)
contains.

XYZ(17.4868, 12.5516, 1.5010)	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(17.4868, 12.5516,
1.5010)**

Conversions

Conversions Part 1

Format	Color
Hex	A34900
RGB	163, 73, 0
RGB Percent	64%, 29%, 0%
CMY	0.3608, 0.7137, 1.0000
CMYK	0.00, 0.55, 1.00, 0.36
HSL	27°, 100%, 32%
HSV	27°, 100%, 64%
XYZ	17.4868, 12.5516, 1.5010
YIQ	91.5880, 77.0730, -3.6230

Conversions

Conversions Part 2

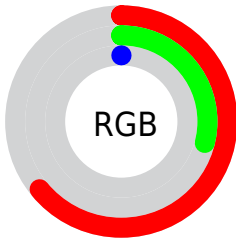
Format	Color
RYB	163, 132, 0
Decimal	10701056
CIELab	42.08, 34.03, 52.18
CIELCh	42, 62.299, 56.888
Yxy	12.5516, 0.5544, 0.3980
Android (android.graphics.Color)	4288891136 (0xFFA34900)
YUV	91.5880, -45.1529, 62.6283
Hunter-Lab	35.4282, 26.1053, 22.2878

Details

The XYZ color **17.4868, 12.5516, 1.5010** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.2666, 9.9559, 36.0307**, and the grayscale version is **10.1664, 10.6958, 11.6478**.

A 20% lighter version of the original color is **38.6619, 30.5481, 7.6001**, and **6.0356, 3.5963, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **17.4870, 12.5522, 1.5011**, and if you desaturate by 10%, it is **18.2176, 13.8601, 2.2172**.

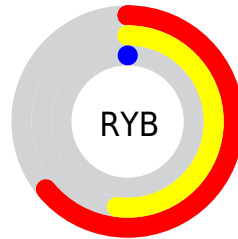
Distribution



Red (64%)

Green (29%)

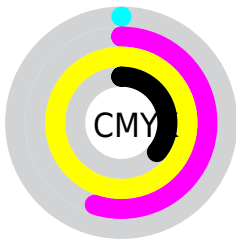
Blue (0%)



Red (64%)

Yellow (52%)

Blue (0%)

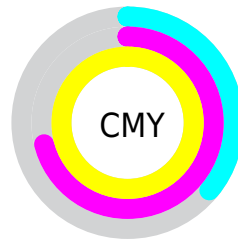


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4868, 12.5516, 1.5010 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 17.4868, 12.5516, 1.5010 by changing the saturation by 10% instead.


 17.4868, 12.5516,
1.5010


 17.4868, 12.5516,
1.5010


 231.0642,
208.0236, 114.0717


 10.6796, 7.1205,
0.2187


 38.6979, 30.4958,
7.6252


 5.9175, 3.5376,
0.0000

 53.8324, 43.7778,
13.4799


 2.8352, 1.4184,
0.0000

 72.4735, 60.4454,
21.7543

 1.0672, 0.2302,
0.0000

 94.9865, 80.8832,
32.8671


 0.0000, 0.0000,
0.0000


 121.7367,
105.4755, 47.2366


 153.0895,


134.6068, 65.2815


 189.4102,
168.6613, 87.4204


 17.4868, 12.5516,
1.5010


 17.4868, 12.5516,
1.5010


 17.4870, 12.5522,
1.5011

 18.2176, 13.8601,
2.2172

 19.1146, 15.3770,
3.3704

 20.2140, 17.1225,
5.1344

 21.5331, 19.1085,
7.5850

 23.0870, 21.3457,
10.7868

■ 24.8891, 23.8439,
14.7967

■ 26.9516, 26.6125,
19.6660

■ 29.2860, 29.6602,
25.4420

■ 31.9029, 32.9952,
32.1682

Harmonies

Analogous

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



21.7671, 12.5516, 5.0722



17.4868, 12.5516, 1.5010



12.4201, 12.5516, 0.7232

Triad

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



17.4868, 12.5516, 1.5010



5.0634, 12.5516, 12.3279



16.4281, 12.5516, 51.3751

Complementary

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



17.4868, 12.5516, 1.5010



10.2666, 9.9559, 36.0307

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.



11.4528, 12.5516, 58.2354



17.4868, 12.5516, 1.5010



5.6189, 12.5516, 28.7522

Square

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



17.4868, 12.5516, 1.5010



5.9168, 12.5516, 3.9315



7.6959, 12.5516, 48.0991



21.0530, 12.5516, 32.8732

Rectangle

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



17.4868, 12.5516, 1.5010



9.5252, 12.5516, 0.9046



7.6959, 12.5516, 48.0991



14.7088, 12.5516, 55.4875

Sweetspot

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



17.4871, 12.5523, 1.5012



48.0501, 47.3720, 34.6925



17.0520, 8.5657, 10.9641



10.4484, 10.1817, 6.9709



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.4871, 12.5523, 1.5012



31.1243, 22.0925, 2.6239



26.3540, 30.2861, 4.4568



7.3227, 7.5839, 7.4580



13.6349, 9.8437, 1.1814



0.3334, 0.3007, 0.0405

Inverse Universe

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



10.2666, 9.9559, 36.0307



18.1840, 17.4247, 64.4610



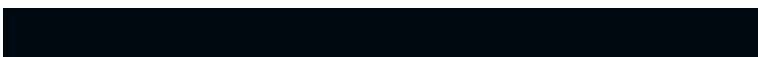
6.7290, 2.8807, 34.8515



7.0094, 7.4778, 8.9770



8.0249, 7.8292, 28.0180



0.2149, 0.2571, 0.6042

Previews

White Background



This preview shows how the XYZ color 17.4868, 12.5516, 1.5010 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 17.4868, 12.5516, 1.5010 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 17.4868, 12.5516, 1.5010

Background



This preview shows how black text looks on a background with the XYZ color 17.4868, 12.5516, 1.5010.



This preview shows how white text looks on a background with the XYZ color 17.4868, 12.5516,

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

17.4868, 12.5516, 1.5010

Protanopia

11.4534, 12.6595, 2.2918

Deuteranopia

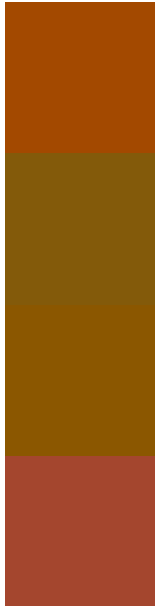
12.6964, 12.6200, 1.7667



Tritanopia

18.7539, 12.6015, 7.5748

Trichromacy



Original Color

17.4868, 12.5516, 1.5010

Protanomaly

13.0710, 12.1595, 1.9453

Deuteranomaly

14.0557, 12.3054, 1.6344

Tritanomaly

17.9931, 12.4701, 4.0434

Monochromacy



Original Color

17.4868, 12.5516, 1.5010

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.5091, 10.6643, 5.5895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4868, 12.5516, 1.5010 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(163, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 73, 0)  
}
```

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(163, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 73, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.4868, 12.5516, 1.5010 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(163, 73, 0) }
```


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

```
.border{ border-color:rgb(163, 73, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 73, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4868, 12.5516, 1.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 73, 0) }
```

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

```
.background{ background-color: rgb(163, 73,  
0) }
```

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