

Converting Colors

XYZ(14.9420, 12.8587, 0.7282)

Have a look what the booklet for
XYZ(14.9420, 12.8587, 0.7282)
contains.

XYZ(15.1668, 12.9992, 1.7097)	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(15.1668, 12.9992,
1.7097)**

Conversions

Conversions Part 1

Format	Color
Hex	915800
RGB	145, 88, 0
RGB Percent	57%, 35%, 0%
CMY	0.4314, 0.6549, 1.0000
CMYK	0.00, 0.39, 1.00, 0.43
HSL	36°, 100%, 28%
HSV	36°, 100%, 57%
XYZ	15.1668, 12.9992, 1.7097
YIQ	95.0110, 62.2200, -15.2840

Conversions

Conversions Part 2

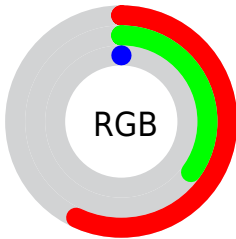
Format	Color
R_{YB}	94, 145, 0
Decimal	9525248
CIE _{Lab}	42.76, 17.91, 51.23
CIE _{LCh}	43, 54.274, 70.726
Yxy	12.9992, 0.5077, 0.4351
Android (android.graphics.Color)	4287715328 (0xFF915800)
YUV	95.0110, -46.8404, 43.8404
Hunter-Lab	36.0544, 11.9934, 22.4266

Details

The XYZ color **15.1668, 12.9992, 1.7097** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.5739, 4.9705, 27.4008**, and the grayscale version is **10.9786, 11.5503, 12.5783**.

A 20% lighter version of the original color is **34.7540, 31.3198, 8.2166**, and **4.8525, 3.7306, 0.4643** is the 20% darker color. If you saturate the color by 10%, you get **15.1670, 12.9996, 1.7098**, and if you desaturate by 10%, it is **15.7361, 14.0057, 2.3076**.

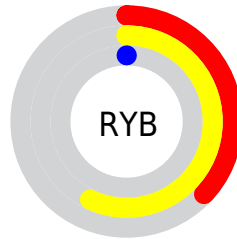
Distribution



Red (57%)

Green (35%)

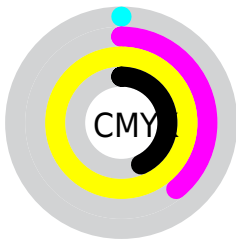
Blue (0%)



Red (37%)

Yellow (57%)

Blue (0%)

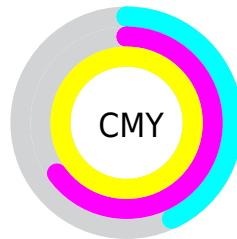


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (43%)



Cyan (43%)


Magenta (65%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1668, 12.9992, 1.7097 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 15.1668, 12.9992, 1.7097 by changing the saturation by 10% instead.


 15.1668, 12.9992,
1.7097


 15.1668, 12.9992,
1.7097


 217.7420,
210.9125, 117.6925


 9.0236, 7.4280,
0.3674


 34.7148, 31.3023,
8.2308


 4.8138, 3.7312,
0.0000


 48.8503, 44.8031,
14.3613


 2.1721, 1.5244,
0.0000

 66.3806, 61.7158,
22.9632

 0.7280, 0.3058,
0.0000

 87.6711, 82.4248,
34.4551

 0.0000, 0.0000,
0.0000

 113.0872,
107.3146, 49.2554

 142.9941,

136.7696, 67.7827

■ 177.7573,
171.1741, 90.4556

■ 15.1668, 12.9992,
1.7097

■ 15.1668, 12.9992,
1.7097

■ 15.1670, 12.9996,
1.7098

■ 15.7361, 14.0057,
2.3076

■ 16.3990, 15.1088,
3.2146

■ 17.1844, 16.3221,
4.5790

■ 18.1038, 17.6512,
6.4563

■ 19.1667, 19.1012,
8.8940

■ 20.3818, 20.6767,
11.9343

■ 21.7571, 22.3820,
15.6150

■ 23.2997, 24.2210,
19.9711

■ 25.0164, 26.1976,
25.0347

Harmonies

Analogous

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



19.4048, 12.9992, 3.8957



15.1668, 12.9992, 1.7097



10.9353, 12.9992, 1.5041

Triad

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



15.1668, 12.9992, 1.7097



6.0793, 12.9992, 18.8236



18.2956, 12.9992, 39.3373

Complementary

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



15.1668, 12.9992, 1.7097



6.5739, 4.9705, 27.4008

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.



13.8933, 12.9992, 50.3301



15.1668, 12.9992, 1.7097



7.2608, 12.9992, 34.7864

Square

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



15.1668, 12.9992, 1.7097



6.2723, 12.9992, 7.8951



9.9148, 12.9992, 48.3135



21.4714, 12.9992, 23.0680

Rectangle

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



15.1668, 12.9992, 1.7097



8.7253, 12.9992, 2.2226



9.9148, 12.9992, 48.3135



16.8740, 12.9992, 44.0937

Sweetspot

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



15.1671, 12.9999, 1.7099



38.8007, 39.8844, 27.5155



12.4408, 6.3253, 4.5684



8.4202, 8.6132, 5.5471



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.1671, 12.9999, 1.7099



26.9887, 22.9340, 3.0043



19.4082, 25.0361, 3.8096



5.6640, 5.9343, 5.7363



13.0350, 11.2017, 1.4751



0.1462, 0.1502, 0.0213

Inverse Universe

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



6.5739, 4.9705, 27.4008



11.6132, 8.5820, 49.0180



5.2998, 2.1418, 26.9220



5.2926, 5.5810, 6.8271



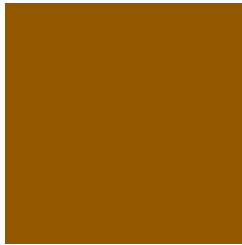
5.6626, 4.3111, 23.5108



0.0746, 0.0820, 0.2316

Previews

White Background



This preview shows how the XYZ color 15.1668, 12.9992, 1.7097 looks on a white background.

Color Contrast Check

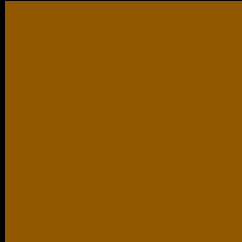
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.1668, 12.9992, 1.7097 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 15.1668, 12.9992, 1.7097

Background



This preview shows how black text looks on a background with the XYZ color 15.1668, 12.9992, 1.7097.



This preview shows how white text looks on a background with the XYZ color 15.1668, 12.9992,

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

15.1668, 12.9992, 1.7097

Protanopia

11.8820, 13.1717, 2.2328

Deuteranopia

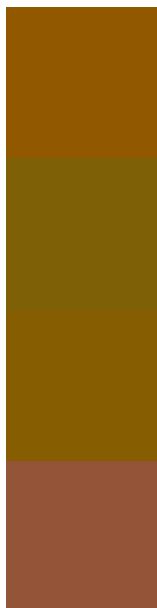
13.0850, 12.9549, 1.8109



Tritanopia

16.9915, 13.0351, 10.8530

Trichromacy



Original Color

15.1668, 12.9992, 1.7097

Protanomaly

12.9172, 13.0003, 2.0295

Deuteranomaly

13.7459, 12.8970, 1.7649

Tritanomaly

15.9168, 12.8292, 5.3788

Monochromacy



Original Color

15.1668, 12.9992, 1.7097

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.4528, 11.4912, 5.8894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1668, 12.9992, 1.7097 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(145, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 88, 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(145, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.1668, 12.9992, 1.7097 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(145, 88, 0) }
```


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

```
.border{ border-color:rgb(145, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.1668, 12.9992, 1.7097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 88, 0) }
```

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

```
.background{ background-color: rgb(145, 88,  
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