

Converting Colors

XYZ(15.8823, 12.2633, 1.5300)

Have a look what the booklet for
XYZ(15.8823, 12.2633, 1.5300)
contains.

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Color

**XYZ(15.8613, 12.2211,
1.5229)**

Conversions

Conversions Part 1

Format	Color
Hex	994E00
RGB	153, 78, 0
RGB Percent	60%, 31%, 0%
CMY	0.4000, 0.6941, 1.0000
CMYK	0.00, 0.49, 1.00, 0.40
HSL	31°, 100%, 30%
HSV	31°, 100%, 60%
XYZ	15.8613, 12.2211, 1.5229
YIQ	91.5330, 69.7380, -8.3580

Conversions

Conversions Part 2

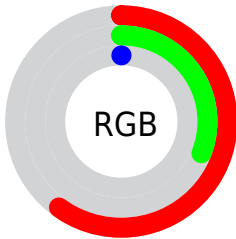
Format	Color
R_{YB}	147, 153, 0
Decimal	10046976
CIE Lab	41.57, 27.15, 51.06
CIE LCh	42, 57.833, 62.000
Yxy	12.2211, 0.5358, 0.4128
Android (android.graphics.Color)	4288237056 (0xFF994E00)
YUV	91.5330, -45.1258, 53.9066
Hunter-Lab	34.9587, 19.8105, 21.8882

Details

The XYZ color **15.8613, 12.2211, 1.5229** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.2657, 7.3317, 31.1164**, and the grayscale version is **10.1549, 10.6837, 11.6345**.

A 20% lighter version of the original color is **35.8983, 29.8799, 7.7462**, and **5.2093, 3.4129, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **15.8615, 12.2216, 1.5230**, and if you desaturate by 10%, it is **16.5136, 13.3844, 2.1764**.

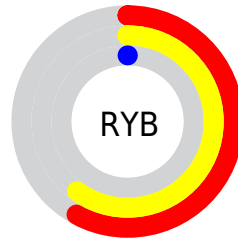
Distribution



Red (60%)

Green (31%)

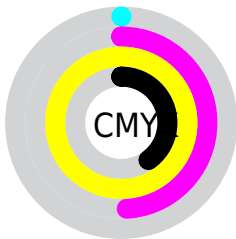
Blue (0%)



Red (58%)

Yellow (60%)

Blue (0%)

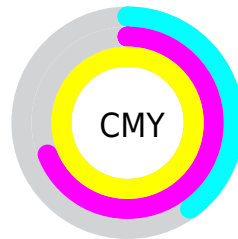


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8613, 12.2211, 1.5229 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 15.8613, 12.2211, 1.5229 by changing the saturation by 10% instead.


 15.8613, 12.2211,
1.5229


 15.8613, 12.2211,
1.5229


 221.8084,
205.8636, 114.4631


 9.5163, 6.8944,
0.2349


 35.9166, 29.8972,
7.6898


 5.1392, 3.3962,
0.0000

 50.3577, 43.0153,
13.5743


 2.3648, 1.3419,
0.0000

 68.2281, 59.4995,
21.8842

 0.8275, 0.1733,
0.0000


 89.8933, 79.7340,
33.0379


 0.0000, 0.0000,
0.0000


 115.7185,
104.1033, 47.4542


 146.0692,


132.9917, 65.5514


 181.3107,
166.7837, 87.7483


 15.8613, 12.2211,
1.5229


 15.8613, 12.2211,
1.5229


 15.8615, 12.2216,
1.5230

 16.5136, 13.3844,
2.1764

 17.2936, 14.6986,
3.1947

 18.2337, 16.1800,
4.7367

 19.3475, 17.8372,
6.8667

 20.6471, 19.6776,
9.6393

■ 22.1432, 21.7081,
13.1030

■ 23.8456, 23.9351,
17.3013

■ 25.7634, 26.3649,
22.2743

■ 27.9049, 29.0030,
28.0593

Harmonies

Analogous

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



19.9549, 12.2211, 4.3946



15.8613, 12.2211, 1.5229



11.3346, 12.2211, 0.9695

Triad

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



15.8613, 12.2211, 1.5229



5.2426, 12.2211, 14.1352



16.4734, 12.2211, 44.3866

Complementary

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



15.8613, 12.2211, 1.5229



8.2657, 7.3317, 31.1164

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.



11.9016, 12.2211, 52.7190



15.8613, 12.2211, 1.5229



5.9996, 12.2211, 29.8313

Square

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



15.8613, 12.2211, 1.5229



5.8190, 12.2211, 5.1013



8.2047, 12.2211, 46.2240



20.3643, 12.2211, 27.4867

Rectangle

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



15.8613, 12.2211, 1.5229



8.8311, 12.2211, 1.2930



8.2047, 12.2211, 46.2240



14.9318, 12.2211, 48.6243

Sweetspot

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



15.8616, 12.2218, 1.5231



42.5132, 42.6182, 30.4998



14.4588, 7.3011, 7.5764



9.1201, 9.0639, 6.0670



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.8616, 12.2218, 1.5231



28.2198, 21.5147, 2.6654



24.5280, 29.5546, 4.4119



6.4561, 6.7172, 6.5621



13.1428, 10.1680, 1.2699



0.2329, 0.2248, 0.0311

Inverse Universe

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



8.2657, 7.3317, 31.1164



14.6178, 12.7600, 55.6645



5.7498, 2.3000, 30.2777



6.1219, 6.5012, 7.8612



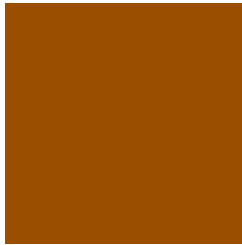
6.8646, 6.1259, 25.7283



0.1389, 0.1641, 0.3967

Previews

White Background



This preview shows how the XYZ color 15.8613, 12.2211, 1.5229 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 15.8613, 12.2211, 1.5229 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 15.8613, 12.2211, 1.5229

Background



This preview shows how black text looks on a background with the XYZ color 15.8613, 12.2211, 1.5229.



This preview shows how white text looks on a background with the XYZ color 15.8613, 12.2211,

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

15.8613, 12.2211, 1.5229

Protanopia

11.0900, 12.3322, 2.1766

Deuteranopia

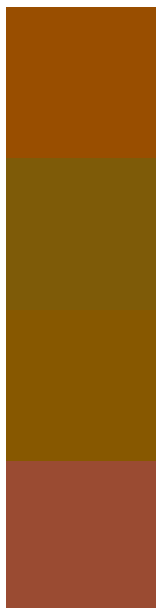
12.4602, 12.3654, 1.7300



Tritanopia

17.2753, 12.2837, 8.6682

Trichromacy



Original Color

15.8613, 12.2211, 1.5229

Protanomaly

12.3891, 11.9353, 1.8805

Deuteranomaly

13.4814, 12.1303, 1.6308

Tritanomaly

16.4182, 12.1325, 4.4941

Monochromacy



Original Color

15.8613, 12.2211, 1.5229

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.1370, 10.7096, 5.6178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8613, 12.2211, 1.5229 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(153, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 78, 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(153, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 78, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.8613, 12.2211, 1.5229 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(153, 78, 0) }
```


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

```
.border{ border-color:rgb(153, 78, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 78, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8613, 12.2211, 1.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 78, 0) }
```

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

```
.background{ background-color: rgb(153, 78,  
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](#).

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