

Converting Colors

XYZ(15.4589, 12.0511, 0.6866)

Have a look what the booklet for
XYZ(15.4589, 12.0511, 0.6866)
contains.

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Color

**XYZ(15.6733, 12.1242,
1.5141)**

Conversions

Conversions Part 1

Format	Color
Hex	984E00
RGB	152, 78, 0
RGB Percent	60%, 31%, 0%
CMY	0.4039, 0.6941, 1.0000
CMYK	0.00, 0.49, 1.00, 0.40
HSL	31°, 100%, 30%
HSV	31°, 100%, 60%
XYZ	15.6733, 12.1242, 1.5141
YIQ	91.2340, 69.1420, -8.5700

Conversions

Conversions Part 2

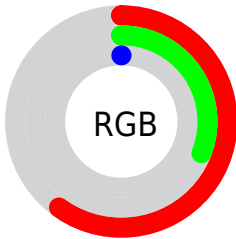
Format	Color
R_{YB}	144, 152, 0
Decimal	9981440
CIE Lab	41.41, 26.72, 50.89
CIE LCh	41, 57.479, 62.303
Yxy	12.1242, 0.5347, 0.4136
Android (android.graphics.Color)	4288171520 (0xFF984E00)
YUV	91.2340, -44.9784, 53.2918
Hunter-Lab	34.8198, 19.4128, 21.7957

Details

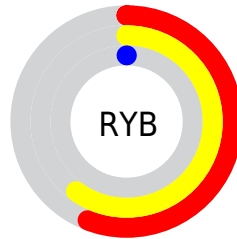
The XYZ color **15.6733, 12.1242, 1.5141** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.1160, 7.1641, 30.6606**, and the grayscale version is **10.0860, 10.6112, 11.5556**.

A 20% lighter version of the original color is **35.5844, 29.7209, 7.6026**, and **5.1061, 3.3597, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **15.6735, 12.1247, 1.5142**, and if you desaturate by 10%, it is **16.3169, 13.2713, 2.1612**.

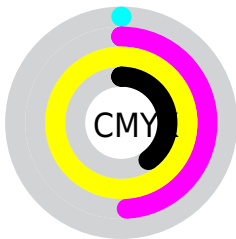
Distribution



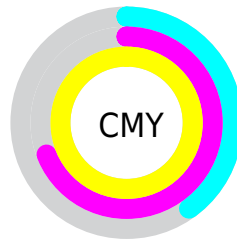
- Red (60%)
- Green (31%)
- Blue (0%)



- Red (56%)
- 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 15.6733, 12.1242, 1.5141 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 15.6733, 12.1242, 1.5141 by changing the saturation by 10% instead.

■ 15.6733, 12.1242,
1.5141

■ 15.6733, 12.1242,
1.5141

■ 220.7146,
205.2258, 114.3062

■ 9.3826, 6.8283,
0.2284

■ 35.5921, 29.7211,
7.6639

■ 5.0507, 3.3550,
0.0000

■ 49.9511, 42.7909,
13.5364

■ 2.3121, 1.3197,
0.0000

■ 67.7301, 59.2208,
21.8321

■ 0.8008, 0.1564,
0.0000

■ 89.2946, 79.3953,
32.9694


■ 0.0000, 0.0000,
0.0000


■ 115.0100,
103.6986, 47.3669


■ 145.2415,


132.5152, 65.4432


 180.3546,
166.2294, 87.6168


 15.6733, 12.1242,
1.5141


 15.6733, 12.1242,
1.5141


 15.6735, 12.1247,
1.5142

 16.3169, 13.2713,
2.1612

 17.0855, 14.5655,
3.1663

 18.0109, 16.0230,
4.6873

 19.1066, 17.6518,
6.7871

 20.3844, 19.4593,
9.5195

■ 21.8549, 21.4523,
12.9321

■ 23.5276, 23.6370,
17.0679

■ 25.4114, 26.0193,
21.9662

■ 27.5145, 28.6049,
27.6636

Harmonies

Analogous

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



19.7303, 12.1242, 4.3309



15.6733, 12.1242, 1.5141



11.2040, 12.1242, 0.9766

Triad

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



15.6733, 12.1242, 1.5141



5.2184, 12.1242, 14.1470



16.3694, 12.1242, 43.7395

Complementary

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



15.6733, 12.1242, 1.5141



8.1160, 7.1641, 30.6606

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.



11.8494, 12.1242, 52.0896



15.6733, 12.1242, 1.5141



5.9819, 12.1242, 29.6985

Square

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



15.6733, 12.1242, 1.5141



5.7759, 12.1242, 5.1377



8.1799, 12.1242, 45.8257



20.1958, 12.1242, 27.0343

Rectangle

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



15.6733, 12.1242, 1.5141



8.7371, 12.1242, 1.3083



8.1799, 12.1242, 45.8257



14.8475, 12.1242, 47.9546

Sweetspot

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



15.6736, 12.1249, 1.5143



41.3460, 41.4868, 29.6632



14.2534, 7.1972, 7.4756



9.1292, 9.0820, 6.0700



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.



15.6736, 12.1249, 1.5143



27.4869, 21.0444, 2.6132



24.1770, 29.1317, 4.3488



6.4577, 6.7206, 6.5627



13.1731, 10.2286, 1.2800



0.2333, 0.2257, 0.0313

Inverse Universe

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



8.1160, 7.1641, 30.6606



14.1489, 12.2919, 54.0605



5.6675, 2.2670, 29.8444



6.1202, 6.4978, 7.8606



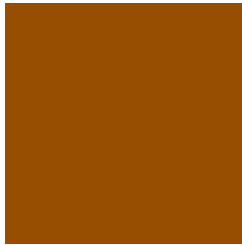
6.8359, 6.0685, 25.7187



0.1384, 0.1632, 0.3966

Previews

White Background



This preview shows how the XYZ color 15.6733, 12.1242, 1.5141 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 15.6733, 12.1242, 1.5141 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 15.6733, 12.1242, 1.5141

Background



This preview shows how black text looks on a background with the XYZ color 15.6733, 12.1242, 1.5141.



This preview shows how white text looks on a background with the XYZ color 15.6733, 12.1242,

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

15.6733, 12.1242, 1.5141

Protanopia

11.0900, 12.3322, 2.1766

Deuteranopia

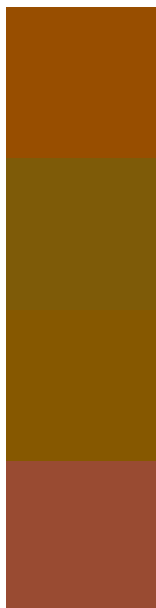
12.2265, 12.1138, 1.6938



Tritanopia

17.0841, 12.1852, 8.6593

Trichromacy



Original Color

15.6733, 12.1242, 1.5141

Protanomaly

12.3891, 11.9353, 1.8805

Deuteranomaly

13.3212, 12.0478, 1.6233

Tritanomaly

16.2287, 12.0347, 4.4852

Monochromacy



Original Color

15.6733, 12.1242, 1.5141

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.9016, 10.4718, 5.4497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6733, 12.1242, 1.5141 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(152, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 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(152, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 78, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6733, 12.1242, 1.5141 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(152, 78, 0) }
```


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

```
.border{ border-color:rgb(152, 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(152, 78, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6733, 12.1242, 1.5141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 78, 0) }
```

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

```
.background{ background-color: rgb(152, 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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