

Converting Colors

XYZ(16.2293, 12.1004, 1.4816)

Have a look what the booklet for
XYZ(16.2293, 12.1004, 1.4816)
contains.

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Color

**XYZ(16.2264, 12.1001,
1.4803)**

Conversions

Conversions Part 1

Format	Color
Hex	9C4B00
RGB	156, 75, 0
RGB Percent	61%, 29%, 0%
CMY	0.3882, 0.7059, 1.0000
CMYK	0.00, 0.52, 1.00, 0.39
HSL	29°, 100%, 31%
HSV	29°, 100%, 61%
XYZ	16.2264, 12.1001, 1.4803
YIQ	90.6690, 72.3510, -6.1530

Conversions

Conversions Part 2

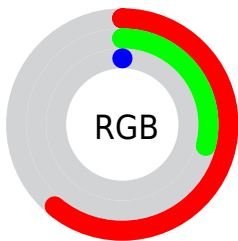
Format	Color
R_{YB}	156, 144, 0
Decimal	10242816
CIE _{Lab}	41.37, 30.07, 51.19
CIE _{LCh}	41, 59.366, 59.570
Yxy	12.1001, 0.5444, 0.4060
Android (android.graphics.Color)	4288432896 (0xFF9C4B00)
YUV	90.6690, -44.6998, 57.2953
Hunter-Lab	34.7852, 22.3916, 21.8265

Details

The XYZ color **16.2264, 12.1001, 1.4803** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.9429, 8.2846, 32.5800**, and the grayscale version is **9.9559, 10.4744, 11.4066**.

A 20% lighter version of the original color is **36.6627, 29.7045, 7.5426**, and **5.3217, 3.3253, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **16.2266, 12.1006, 1.4804**, and if you desaturate by 10%, it is **16.9021, 13.3067, 2.1524**.

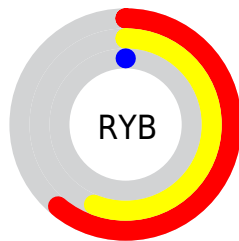
Distribution



Red (61%)

Green (29%)

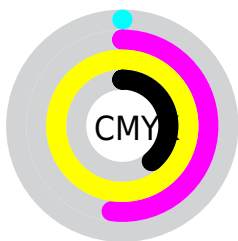
Blue (0%)



Red (61%)

Yellow (56%)

Blue (0%)

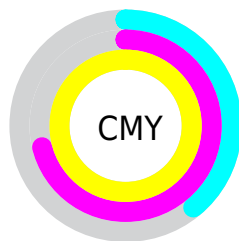


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (39%)



Cyan (39%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2264, 12.1001, 1.4803 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 16.2264, 12.1001, 1.4803 by changing the saturation by 10% instead.


 16.2264, 12.1001,
1.4803

 16.2264, 12.1001,
1.4803


 223.9182,
205.0669, 113.6990


 9.7764, 6.8119,
0.2032


 36.5451, 29.6773,
7.5640


 5.3121, 3.3447,
0.0000

 51.1444, 42.7350,
13.3903


 2.4681, 1.3142,
0.0000

 69.1909, 59.1515,
21.6310

 0.8792, 0.1522,
0.0000


 91.0500, 79.3109,
32.7046


 0.0000, 0.0000,
0.0000


 117.0868,
103.5977, 47.0296


 147.6669,


132.3964, 65.0247


 183.1556,
166.0913, 87.1083


 16.2264, 12.1001,
1.4803


 16.2264, 12.1001,
1.4803


 16.2266, 12.1006,
1.4804

 16.9021, 13.3067,
2.1524

 17.7188, 14.6850,
3.2109

 18.7100, 16.2529,
4.8194

 19.8906, 18.0198,
7.0453

 21.2737, 19.9945,
9.9462

■ 22.8707, 22.1848,
13.5729

■ 24.6923, 24.5982,
17.9715

■ 26.7483, 27.2417,
23.1841

■ 29.0479, 30.1220,
29.2497

Harmonies

Analogous

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



20.3131, 12.1001, 4.5939



16.2264, 12.1001, 1.4803



11.5631, 12.1001, 0.8370

Triad

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



16.2264, 12.1001, 1.4803



5.0477, 12.1001, 12.9977



16.0913, 12.1001, 46.4476

Complementary

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



16.2264, 12.1001, 1.4803



8.9429, 8.2846, 32.5800

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.



11.4387, 12.1001, 53.9760



16.2264, 12.1001, 1.4803



5.6965, 12.1001, 28.6892

Square

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



16.2264, 12.1001, 1.4803



5.7355, 12.1001, 4.4428



7.7952, 12.1001, 46.0363



20.2224, 12.1001, 29.2106

Rectangle

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



16.2264, 12.1001, 1.4803



8.9437, 12.1001, 1.0810



7.7952, 12.1001, 46.0363



14.5040, 12.1001, 50.5449

Sweetspot

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



16.2267, 12.1008, 1.4805



44.6400, 44.4052, 32.1255



15.2793, 7.6956, 8.9044



9.5300, 9.3862, 6.3531



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.2267, 12.1008, 1.4805



29.2773, 21.5882, 2.6239



24.7446, 29.1366, 4.3198



6.8830, 7.1460, 7.0022



13.4002, 10.0361, 1.2309



0.2818, 0.2638, 0.0361

Inverse Universe

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



8.9429, 8.2846, 32.5800



16.0446, 14.6506, 59.1090



6.0572, 2.5132, 31.6181



6.5553, 6.9764, 8.4078



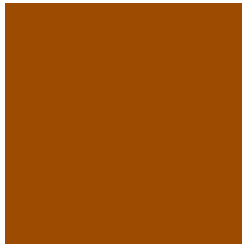
7.4011, 6.8937, 26.8478



0.1746, 0.2078, 0.4941

Previews

White Background



This preview shows how the XYZ color 16.2264, 12.1001, 1.4803 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 16.2264, 12.1001, 1.4803 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 16.2264, 12.1001, 1.4803

Background



This preview shows how black text looks on a background with the XYZ color 16.2264, 12.1001, 1.4803.



This preview shows how white text looks on a background with the XYZ color 16.2264, 12.1001,

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

16.2264, 12.1001, 1.4803

Protanopia

11.0967, 12.3349, 2.2115

Deuteranopia

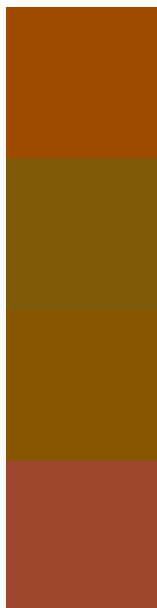
12.2265, 12.1138, 1.6938



Tritanopia

17.5267, 12.1438, 7.8988

Trichromacy



Original Color

16.2264, 12.1001, 1.4803

Protanomaly

12.4579, 11.8441, 1.8880

Deuteranomaly

13.4811, 11.8898, 1.5844

Tritanomaly

16.7351, 12.0081, 4.1251

Monochromacy



Original Color

16.2264, 12.1001, 1.4803

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.0825, 10.4473, 5.4354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2264, 12.1001, 1.4803 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(156, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 75, 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(156, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 75, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.2264, 12.1001, 1.4803 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(156, 75, 0) }
```


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

```
.border{ border-color:rgb(156, 75, 0) }
```

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

Here you see how a box with a 4 pixel rgb(156, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 75, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2264, 12.1001, 1.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 75, 0) }
```

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

```
.background{ background-color: rgb(156, 75,  
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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