

Converting Colors

XYZ(16.5215, 12.0818, 1.4612)

Have a look what the booklet for
XYZ(16.5215, 12.0818, 1.4612)
contains.

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Color

**XYZ(16.4831, 12.0342,
1.4541)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4900
RGB	158, 73, 0
RGB Percent	62%, 29%, 0%
CMY	0.3804, 0.7137, 1.0000
CMYK	0.00, 0.54, 1.00, 0.38
HSL	28°, 100%, 31%
HSV	28°, 100%, 62%
XYZ	16.4831, 12.0342, 1.4541
YIQ	90.0930, 74.0930, -4.6830

Conversions

Conversions Part 2

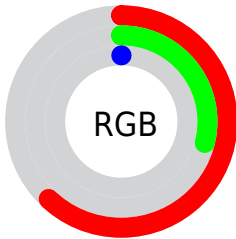
Format	Color
R_{YB}	158, 136, 0
Decimal	10373376
CIE _{Lab}	41.27, 31.97, 51.29
CIE _{LCh}	41, 60.441, 58.062
Yxy	12.0342, 0.5500, 0.4015
Android (android.graphics.Color)	4288563456 (0xFF9E4900)
YUV	90.0930, -44.4158, 59.5544
Hunter-Lab	34.6903, 24.1061, 21.7980

Details

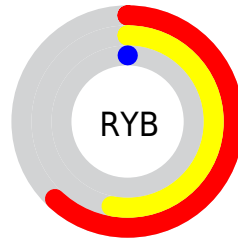
The XYZ color **16.4831, 12.0342, 1.4541** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.4199, 8.9652, 33.5815**, and the grayscale version is **9.8246, 10.3362, 11.2562**.

A 20% lighter version of the original color is **37.0102, 29.5115, 7.4870**, and **5.4932, 3.3479, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **16.4832, 12.0346, 1.4541**, and if you desaturate by 10%, it is **17.1726, 13.2661, 2.1381**.

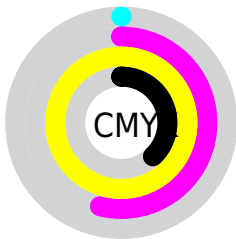
Distribution



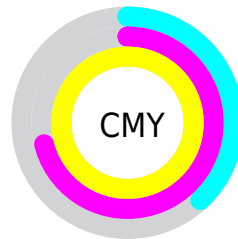
- Red (62%)
- Green (29%)
- Blue (0%)



- Red (62%)
- Yellow (53%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (38%)





- Cyan (38%)
- Magenta (71%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4831, 12.0342, 1.4541 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 16.4831, 12.0342, 1.4541 by changing the saturation by 10% instead.


 16.4831, 12.0342,
1.4541


 16.4831, 12.0342,
1.4541


 225.3905,
204.6316, 113.2234


 9.9597, 6.7670,
0.1834


 36.9856, 29.5574,
7.4860


 5.4343, 3.3168,
0.0000

 51.6954, 42.5821,
13.2762

 2.5416, 1.2993,
0.0000

 69.8646, 58.9615,
21.4738

 0.9163, 0.1406,
0.0000

 91.8587, 79.0799,
32.4975


 0.0000, 0.0000,
0.0000


 118.0430,
103.3217, 46.7657


 148.7828,


132.0713, 64.6971


 184.4435,
165.7131, 86.7102


 16.4831, 12.0342,
1.4541


 16.4831, 12.0342,
1.4541


 16.4832, 12.0346,
1.4541

 17.1726, 13.2661,
2.1381

 18.0124, 14.6843,
3.2234

 19.0367, 16.3076,
4.8765

 20.2614, 18.1464,
7.1672

 21.7001, 20.2102,
10.1550

■ 23.3651, 22.5078,
13.8926

■ 25.2675, 25.0472,
18.4275

■ 27.4176, 27.8363,
23.8033

■ 29.8252, 30.8822,
30.0602

Harmonies

Analogous

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



20.5693, 12.0342, 4.7304



16.4831, 12.0342, 1.4541



11.7246, 12.0342, 0.7515

Triad

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



16.4831, 12.0342, 1.4541



4.9284, 12.0342, 12.3063



15.8633, 12.0342, 47.8700

Complementary

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



16.4831, 12.0342, 1.4541



9.4199, 8.9652, 33.5815

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.



11.1564, 12.0342, 54.8627



16.4831, 12.0342, 1.4541



5.5107, 12.0342, 27.9949

Square

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



16.4831, 12.0342, 1.4541



5.6871, 12.0342, 4.0513



7.5445, 12.0342, 45.9659



20.1520, 12.0342, 30.3982

Rectangle

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



16.4831, 12.0342, 1.4541



9.0260, 12.0342, 0.9574



7.5445, 12.0342, 45.9659



14.2458, 12.0342, 51.8740

Sweetspot

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



16.4834, 12.0349, 1.4543



45.6705, 45.2022, 32.9384



15.8167, 7.9556, 9.6977



9.9773, 9.7680, 6.6559



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.4834, 12.0349, 1.4543



29.7382, 21.4639, 2.5756



25.0227, 29.1135, 4.3007



6.8730, 7.1259, 6.9989



13.2402, 9.7160, 1.1775



0.2787, 0.2576, 0.0350

Inverse Universe

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



9.4199, 8.9652, 33.5815



16.9044, 15.8767, 60.9170



6.2573, 2.6402, 32.5273



6.5654, 6.9966, 8.4111



7.5840, 7.2596, 26.9088



0.1777, 0.2140, 0.4952

Previews

White Background



This preview shows how the XYZ color 16.4831, 12.0342, 1.4541 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 16.4831, 12.0342, 1.4541 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 16.4831, 12.0342, 1.4541

Background



This preview shows how black text looks on a background with the XYZ color 16.4831, 12.0342, 1.4541.



This preview shows how white text looks on a background with the XYZ color 16.4831, 12.0342,

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

16.4831, 12.0342, 1.4541

Protanopia

11.0025, 12.1466, 2.1801

Deuteranopia

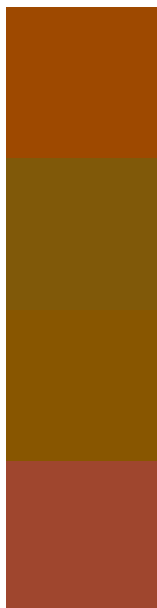
12.2265, 12.1138, 1.6938



Tritanopia

17.7340, 12.0757, 7.5270

Trichromacy



Original Color

16.4831, 12.0342, 1.4541

Protanomaly

12.5238, 11.7537, 1.8671

Deuteranomaly

13.4811, 11.8898, 1.5844

Tritanomaly

16.9814, 11.9485, 3.9960

Monochromacy



Original Color

16.4831, 12.0342, 1.4541

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.9791, 10.2809, 5.2766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4831, 12.0342, 1.4541 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(158, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 73, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.4831, 12.0342, 1.4541 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(158, 73, 0) }
```


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

```
.border{ border-color:rgb(158, 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(158, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 73, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4831, 12.0342, 1.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 73, 0) }
```

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

```
.background{ background-color: rgb(158, 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](#).

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