

Converting Colors

XYZ(14.9746, 12.0570, 1.6356)

Have a look what the booklet for
XYZ(14.9746, 12.0570, 1.6356)
contains.

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Color

**XYZ(14.9915, 12.0945,
1.6305)**

Conversions

Conversions Part 1

Format	Color
Hex	935103
RGB	147, 81, 3
RGB Percent	58%, 32%, 1%
CMY	0.4235, 0.6823, 0.9882
CMYK	0.00, 0.45, 0.98, 0.42
HSL	33°, 96%, 29%
HSV	33°, 98%, 58%
XYZ	14.9915, 12.0945, 1.6305
YIQ	91.8420, 64.3740, -10.2660

Conversions

Conversions Part 2

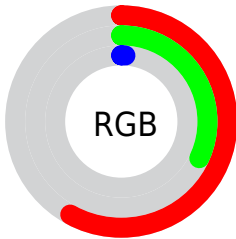
Format	Color
R_{YB}	125, 147, 3
Decimal	9654531
CIE Lab	41.37, 22.88, 49.61
CIE LCh	41, 54.634, 65.238
Yxy	12.0945, 0.5221, 0.4212
Android (android.graphics.Color)	4287844611 (0xFF935103)
YUV	91.8420, -43.7991, 48.3736
Hunter-Lab	34.7771, 16.0866, 21.5642

Details

The XYZ color **14.9915, 12.0945, 1.6305** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.4321, 6.3821, 28.4437**, and the grayscale version is **10.2240, 10.7564, 11.7138**.

A 20% lighter version of the original color is **34.3593, 29.6702, 8.0537**, and **4.8175, 3.3757, 0.3977** is the 20% darker color. If you saturate the color by 10%, you get **14.8740, 11.8860, 1.5103**, and if you desaturate by 10%, it is **15.6079, 13.1829, 2.2816**.

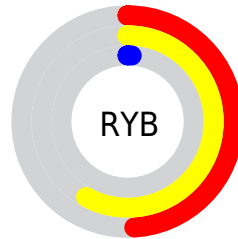
Distribution



Red (58%)

Green (32%)

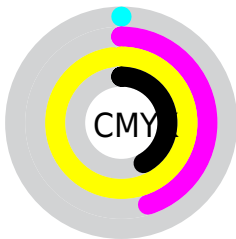
Blue (1%)



Red (49%)

Yellow (58%)

Blue (1%)

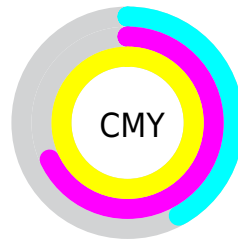


Cyan (0%)

Magenta (45%)

Yellow (98%)

Black (42%)



Cyan (42%)


Magenta (68%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9915, 12.0945, 1.6305 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 14.9915, 12.0945, 1.6305 by changing the saturation by 10% instead.


 14.9915, 12.0945,
1.6305


 14.9915, 12.0945,
1.6305


 216.7042,
205.0299, 116.3463


 8.8997, 6.8081,
0.3124


 34.4100, 29.6671,
8.0035


 4.7324, 3.3424,
0.0000

 48.4675, 42.7221,
14.0314


 2.1243, 1.3130,
0.0000

 65.9109, 59.1353,
22.5116

 0.7024, 0.1512,
0.0000

 87.1055, 79.2913,
33.8627


 0.0000, 0.0000,
0.0000


 112.4169,
103.5743, 48.5032


 142.2102,


132.3688, 66.8515


 176.8508,
166.0592, 89.3264


 14.9915, 12.0945,
1.6305


 14.9915, 12.0945,
1.6305


 14.8740, 11.8860,
1.5103

 15.6079, 13.1829,
2.2816

 16.3442, 14.4004,
3.3136

 17.2224, 15.7585,
4.8343

 18.2543, 17.2639,
6.8995

 19.4501, 18.9228,
9.5570

■ 20.8191, 20.7408,
12.8498

■ 22.3697, 22.7230,
16.8164

■ 24.1098, 24.8744,
21.4925

■ 26.0465, 27.1996,
26.9112

Harmonies

Analogous

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



18.9097, 12.0945, 4.1644



14.9915, 12.0945, 1.6305



10.8138, 12.0945, 1.1995

Triad

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



14.9915, 12.0945, 1.6305



5.4546, 12.0945, 15.2631



16.4761, 12.0945, 40.2433

Complementary

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



14.9915, 12.0945, 1.6305



7.4321, 6.3821, 28.4437

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.



12.2052, 12.0945, 49.0456



14.9915, 12.0945, 1.6305



6.3275, 12.0945, 30.1988

Square

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



14.9915, 12.0945, 1.6305



5.8717, 12.0945, 5.9801



8.5901, 12.0945, 44.5859



19.8957, 12.0945, 24.5871

Rectangle

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



14.9915, 12.0945, 1.6305



8.5430, 12.0945, 1.6496



8.5901, 12.0945, 44.5859



15.0600, 12.0945, 44.4136

Sweetspot

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



14.9918, 12.0951, 1.6307



39.5831, 40.0913, 28.8656



13.1770, 6.7130, 6.4291



8.7849, 8.8326, 5.9423



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.9918, 12.0951, 1.6307



26.4587, 20.9287, 2.6451



21.6397, 26.6423, 4.0882



6.0454, 6.3046, 6.1387



12.9201, 10.3545, 1.3177



0.1876, 0.1858, 0.0260

Inverse Universe

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



7.4321, 6.3821, 28.4437



12.8927, 10.6951, 50.8194



5.3967, 2.2221, 27.7480



5.7054, 6.0447, 7.3358



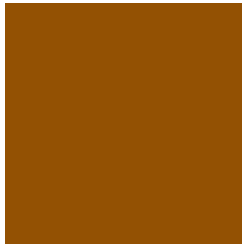
6.3493, 5.3935, 24.6374



0.1066, 0.1238, 0.3112

Previews

White Background



This preview shows how the XYZ color 14.9915, 12.0945, 1.6305 looks on a white background.

Color Contrast Check

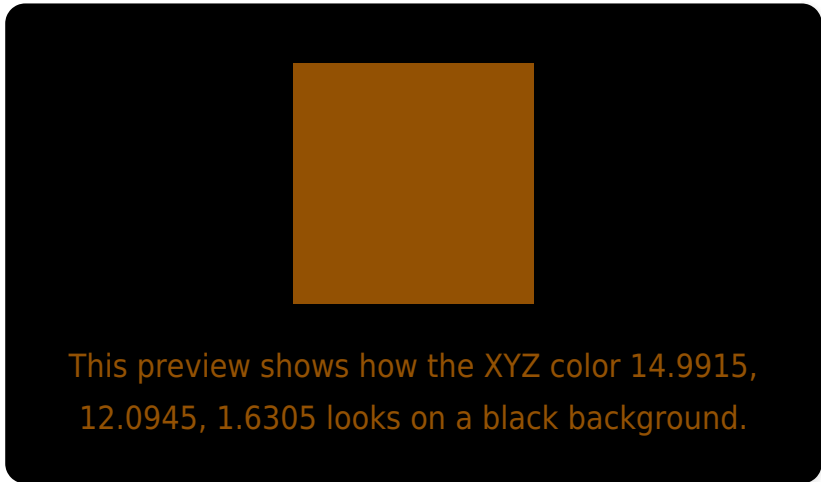
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 14.9915, 12.0945, 1.6305

Background



This preview shows how black text looks on a background with the XYZ color 14.9915, 12.0945, 1.6305.



This preview shows how white text looks on a background with the XYZ color 14.9915, 12.0945,

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

14.9915, 12.0945, 1.6305

Protanopia

11.0837, 12.3297, 2.1435

Deuteranopia

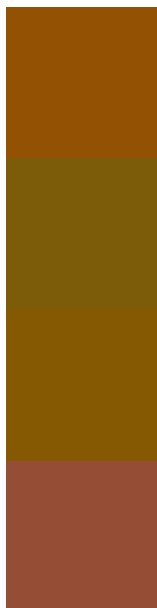
12.2265, 12.1138, 1.6938



Tritanopia

16.5790, 12.1103, 9.2483

Trichromacy



Original Color

14.9915, 12.0945, 1.6305

Protanomaly

12.1886, 11.9591, 1.9244

Deuteranomaly

13.0936, 12.0525, 1.6650

Tritanomaly

15.6909, 11.9544, 4.8486

Monochromacy



Original Color

14.9915, 12.0945, 1.6305

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.9874, 10.7504, 5.7709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9915, 12.0945, 1.6305 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(147, 81, 3)` looks like.

```
.text, #text, p{  
    color:rgb(147, 81, 3)  
}
```

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(147, 81, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 81, 3) }
```

Border

The CSS property to change the border of an element to XYZ 14.9915, 12.0945, 1.6305 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(147, 81, 3) }
```


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

```
.border{ border-color:rgb(147, 81, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 81, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 81, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 81, 3);  
box-shadow:4px 4px 4px 4px rgb(147, 81, 3)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.9915, 12.0945, 1.6305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 81, 3) }
```

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

```
.background{ background-color: rgb(147, 81,  
3) }
```

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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