

Converting Colors

XYZ(12.8806, 11.4957, 1.5400)

Have a look what the booklet for
XYZ(12.8806, 11.4957, 1.5400)
contains.

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Color

**XYZ(12.9214, 11.4835,
1.5355)**

Conversions

Conversions Part 1

Format	Color
Hex	855500
RGB	133, 85, 0
RGB Percent	52%, 33%, 0%
CMY	0.4784, 0.6667, 1.0000
CMYK	0.00, 0.36, 1.00, 0.48
HSL	38°, 100%, 26%
HSV	38°, 100%, 52%
XYZ	12.9214, 11.4835, 1.5355
YIQ	89.6620, 55.8930, -16.2590

Conversions

Conversions Part 2

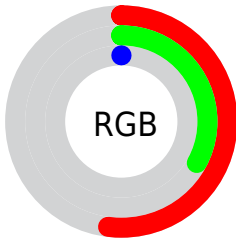
Format	Color
R_{YB}	75, 133, 0
Decimal	8738048
CIE _{Lab}	40.38, 14.06, 48.89
CIE _{LCh}	40, 50.875, 73.952
Yxy	11.4835, 0.4981, 0.4427
Android (android.graphics.Color)	4286928128 (0xFF855500)
YUV	89.6620, -44.2034, 38.0074
Hunter-Lab	33.8873, 8.7601, 21.0346

Details

The XYZ color **12.9214, 11.4835, 1.5355** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2906, 3.8074, 22.6463**, and the grayscale version is **9.7298, 10.2365, 11.1476**.

A 20% lighter version of the original color is **30.8883, 28.6997, 7.7825**, and **3.9007, 3.1373, 0.4000** is the 20% darker color. If you saturate the color by 10%, you get **12.9215, 11.4839, 1.5356**, and if you desaturate by 10%, it is **13.3871, 12.2956, 2.0588**.

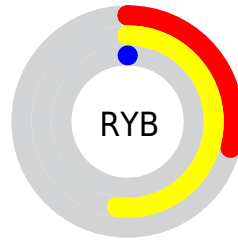
Distribution



Red (52%)

Green (33%)

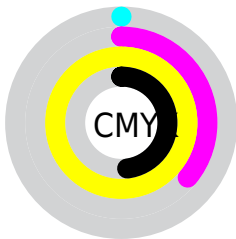
Blue (0%)



Red (29%)

Yellow (52%)

Blue (0%)

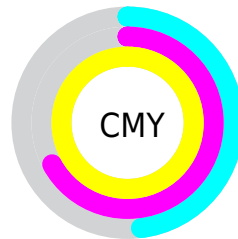


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (67%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9214, 11.4835, 1.5355 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 12.9214, 11.4835, 1.5355 by changing the saturation by 10% instead.

12.9214, 11.4835,
1.5355

12.9214, 11.4835,
1.5355

204.0611,
200.9553, 114.6871

7.4511, 6.3930,
0.2442

30.7650, 28.5508,
7.7269

3.7946, 3.0855,
0.0000

43.8690, 41.2965,
13.6284

1.5866, 1.1765,
0.0000

60.2483, 57.3627,
21.9585

0.3836, 0.0424,
0.0000

80.2682, 77.1338,
33.1358

0.0000, 0.0000,
0.0000

104.2941,
100.9942, 47.5787

132.6913,

129.3283, 65.7059

165.8252,
162.5205, 87.9358

12.9214, 11.4835,
1.5355

12.9214, 11.4835,
1.5355

12.9215, 11.4839,
1.5356

13.3871, 12.2956,
2.0588

13.9227, 13.1769,
2.8226

14.5543, 14.1393,
3.9610

15.2909, 15.1869,
5.5182

16.1400, 16.3236,
7.5326

■ 17.1086, 17.5529,
10.0378

■ 18.2028, 18.8778,
13.0644

■ 19.4283, 20.3014,
16.6406

■ 20.7906, 21.8264,
20.7923

Harmonies

Analogous

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



16.6305, 11.4835, 3.2284



12.9214, 11.4835, 1.5355



9.3441, 11.4835, 1.4900

Triad

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



12.9214, 11.4835, 1.5355



5.5224, 11.4835, 17.8590



16.3968, 11.4835, 32.6297

Complementary

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



12.9214, 11.4835, 1.5355



5.2906, 3.8074, 22.6463

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.



12.6522, 11.4835, 42.8698



12.9214, 11.4835, 1.5355



6.6863, 11.4835, 31.6765

Square

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



12.9214, 11.4835, 1.5355



5.5637, 11.4835, 7.8240



9.1274, 11.4835, 42.4486



18.9162, 11.4835, 18.7534

Rectangle

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



12.9214, 11.4835, 1.5355



7.5166, 11.4835, 2.2658



9.1274, 11.4835, 42.4486



15.2079, 11.4835, 36.8795

Sweetspot

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



12.9217, 11.4841, 1.5357



32.4560, 33.6383, 22.9938



10.2224, 5.2064, 3.3464



7.1496, 7.3839, 4.7245



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.9217, 11.4841, 1.5357



22.9872, 20.2600, 2.6990



15.4930, 20.4380, 3.1285



4.9021, 5.1478, 4.9646



12.3158, 10.9542, 1.4653



0.0496, 0.0518, 0.0074

Inverse Universe

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



5.2906, 3.8074, 22.6463



9.3358, 6.5411, 40.5089



4.4782, 1.8196, 22.3055



4.5619, 4.7994, 5.8867



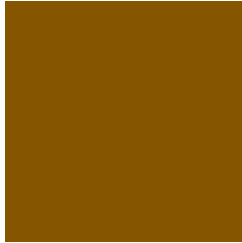
5.0465, 3.6407, 21.5734



0.0240, 0.0256, 0.0769

Previews

White Background



This preview shows how the XYZ color 12.9214, 11.4835, 1.5355 looks on a white background.

Color Contrast Check

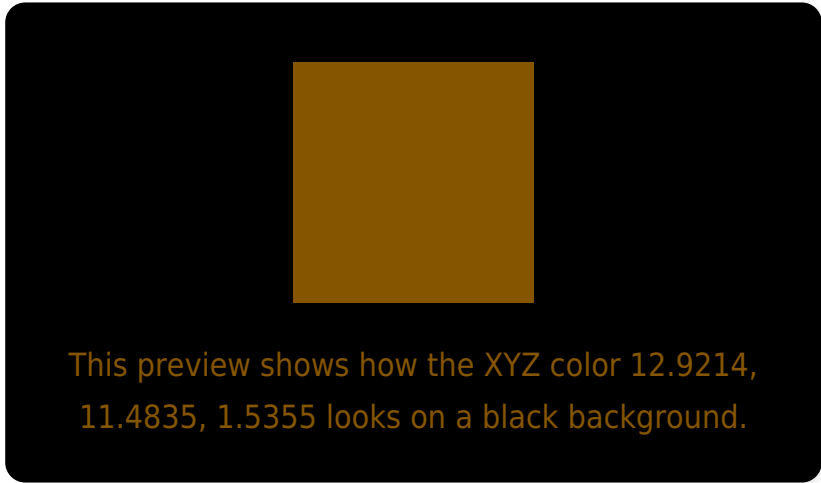
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9214, 11.4835, 1.5355

Background



This preview shows how black text looks on a background with the XYZ color 12.9214, 11.4835, 1.5355.



This preview shows how white text looks on a background with the XYZ color 12.9214, 11.4835,

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

12.9214, 11.4835, 1.5355

Protanopia

10.4165, 11.5736, 1.9434

Deuteranopia

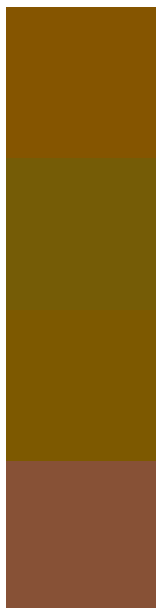
11.6262, 11.5471, 1.6160



Tritanopia

14.5890, 11.4821, 10.0417

Trichromacy



Original Color

12.9214, 11.4835, 1.5355

Protanomaly

11.1961, 11.4493, 1.7921

Deuteranomaly

12.0298, 11.5047, 1.5866

Tritanomaly

13.6000, 11.3021, 4.9548

Monochromacy



Original Color

12.9214, 11.4835, 1.5355

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.1721, 10.3390, 5.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9214, 11.4835, 1.5355 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(133, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 85, 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(133, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.9214, 11.4835, 1.5355 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(133, 85, 0) }
```


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

```
.border{ border-color:rgb(133, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9214, 11.4835, 1.5355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 85, 0) }
```

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

```
.background{ background-color: rgb(133, 85,  
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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