

Converting Colors

XYZ(15.8299, 15.5319, 7.9580)

Have a look what the booklet for
XYZ(15.8299, 15.5319, 7.9580)
contains.

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Color

**XYZ(15.8299, 15.5319,
7.9580)**

Conversions

Conversions Part 1

Format	Color
Hex	856946
RGB	133, 105, 70
RGB Percent	52%, 41%, 27%
CMY	0.4784, 0.5882, 0.7255
CMYK	0.00, 0.21, 0.47, 0.48
HSL	33°, 31%, 40%
HSV	33°, 47%, 52%
XYZ	15.8299, 15.5319, 7.9580
YIQ	109.3820, 27.9230, -4.9490

Conversions

Conversions Part 2

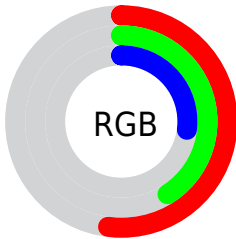
Format	Color
RYB	120, 133, 70
Decimal	8743238
CIELab	46.35, 6.33, 23.89
CIElCh	46, 24.711, 75.165
Yxy	15.5319, 0.4026, 0.3950
Android (android.graphics.Color)	4286933318 (0xFF856946)
YUV	109.3820, -19.4153, 20.7130
Hunter-Lab	39.4105, 2.7291, 15.6152

Details

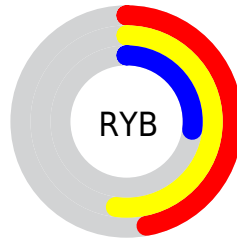
The XYZ color **15.8299, 15.5319, 7.9580** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.1269, 11.7304, 23.8679**, and the grayscale version is **14.6927, 15.4579, 16.8336**.

A 20% lighter version of the original color is **35.9573, 35.8002, 22.4677**, and **5.0819, 4.8456, 1.5872** is the 20% darker color. If you saturate the color by 10%, you get **14.8746, 14.2203, 5.7928**, and if you desaturate by 10%, it is **16.9209, 16.9659, 10.6276**.

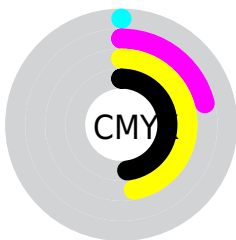
Distribution



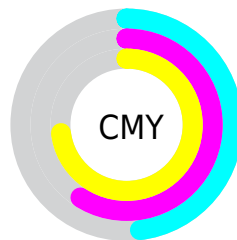
- Red (52%)
- Green (41%)
- Blue (27%)



- Red (47%)
- Yellow (52%)
- Blue (27%)



- Cyan (0%)
- Magenta (21%)
- Yellow (47%)
- Black (48%)



- Cyan (48%)
- Magenta (59%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8299, 15.5319, 7.9580 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 15.8299, 15.5319, 7.9580 by changing the saturation by 10% instead.

■ 15.8299, 15.5319,
7.9580

■ 15.8299, 15.5319,
7.9580

221.6261,
226.5635, 185.3245

■ 9.4939, 9.1935,
3.9807

■ 35.8625, 35.7836,
22.4209

■ 5.1244, 4.8676,
1.6148

■ 50.2898, 50.4658,
33.7435

■ 2.3560, 2.1698,
0.3013

■ 68.1450, 68.6980,
48.3517

■ 0.8231, 0.7035,
0.0000

■ 89.7934, 90.8646,
66.6640

■ 0.0000, 0.0000,
0.0000

■ 115.6004,
117.3501, 89.0988

145.9312,

148.5388, 116.0749

181.1513,
184.8151, 148.0106

■ 15.8299, 15.5319,
7.9580

■ 15.8299, 15.5319,
7.9580

■ 14.8746, 14.2203,
5.7928

■ 16.9209, 16.9659,
10.6276

■ 14.0467, 13.0248,
4.0980

■ 18.1528, 18.5239,
13.8307

■ 13.3388, 11.9414,
2.8370

■ 19.5320, 20.2104,
17.5952

■ 12.7419, 10.9652,
1.9671

■ 21.0641, 22.0288,
21.9467

■ 12.2388, 10.0879,
1.4026

■ 22.7545, 23.9825,
26.9095

■ 12.1146, 9.8702,
1.2666

■ 24.6081, 26.0747,
32.5061

■ 26.6297, 28.3084,
38.7583

■ 28.8238, 30.6866,
45.6865

■ 31.1949, 33.2121,
53.3104

Harmonies

Analogous

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



17.8237, 15.5319, 9.9167



15.8299, 15.5319, 7.9580



13.7228, 15.5319, 7.9685

Triad

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



15.8299, 15.5319, 7.9580



11.1710, 15.5319, 20.1493



17.8425, 15.5319, 26.5383

Complementary

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



15.8299, 15.5319, 7.9580



11.1269, 11.7304, 23.8679

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.



15.8536, 15.5319, 30.8487



15.8299, 15.5319, 7.9580



12.0737, 15.5319, 26.6024

Square

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



15.8299, 15.5319, 7.9580



11.1659, 15.5319, 14.0981



13.7444, 15.5319, 30.8746



19.0589, 15.5319, 20.0766

Rectangle

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



15.8299, 15.5319, 7.9580



12.5395, 15.5319, 9.0575



13.7444, 15.5319, 30.8746



17.2341, 15.5319, 28.3484

Sweetspot

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



15.8303, 15.5326, 7.9583



35.7853, 37.1606, 33.7723



14.0842, 10.2555, 12.8794



7.9506, 8.2385, 7.2954



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.



15.8303, 15.5326, 7.9583



26.4905, 25.2585, 10.0575



18.6759, 21.9511, 9.0472



4.8711, 5.0858, 4.9543



11.5476, 9.4178, 1.2092



0.0473, 0.0472, 0.0066

Inverse Universe

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



11.1269, 11.7304, 23.8679



16.9847, 17.5822, 42.2369



9.1830, 7.4963, 23.1531



4.5922, 4.8600, 5.8968



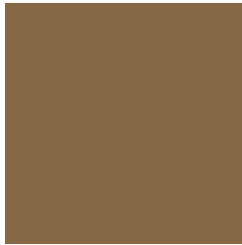
5.5353, 4.6183, 21.7364



0.0263, 0.0302, 0.0777

Previews

White Background



This preview shows how the XYZ color 15.8299, 15.5319, 7.9580 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 15.8299, 15.5319, 7.9580 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 15.8299, 15.5319, 7.9580

Background



This preview shows how black text looks on a background with the XYZ color 15.8299, 15.5319, 7.9580.



This preview shows how white text looks on a background with the XYZ color 15.8299, 15.5319,

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

15.8299, 15.5319, 7.9580

Protanopia

14.4914, 15.6128, 8.3807

Deuteranopia

15.8299, 15.5319, 7.9580



Tritanopia

17.4173, 15.4313, 16.2479

Trichromacy



Original Color

15.8299, 15.5319, 7.9580

Protanomaly

14.9573, 15.5400, 8.1724

Deuteranomaly

15.8299, 15.5319, 7.9580

Tritanomaly

16.7634, 15.4618, 12.6906

Monochromacy



Original Color

15.8299, 15.5319, 7.9580

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.8993, 15.4029, 13.0142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8299, 15.5319, 7.9580 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, 105, 70)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 70)  
}
```

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, 105, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 70) }
```

Border

The CSS property to change the border of an element to XYZ 15.8299, 15.5319, 7.9580 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, 105, 70) }
```


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

```
.border{ border-color:rgb(133, 105, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 105, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 70);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8299, 15.5319, 7.9580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 70) }
```

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

```
.background{ background-color: rgb(133,  
105, 70) }
```

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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