

Converting Colors

XYZ(15.9148, 15.2979, 9.6078)

Have a look what the booklet for
XYZ(15.9148, 15.2979, 9.6078)
contains.

XYZ(15.9711, 15.2662, 9.6943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.9711, 15.2662,
9.6943)**

Conversions

Conversions Part 1

Format	Color
Hex	856750
RGB	133, 103, 80
RGB Percent	52%, 40%, 31%
CMY	0.4784, 0.5961, 0.6863
CMYK	0.00, 0.23, 0.40, 0.48
HSL	26°, 25%, 42%
HSV	26°, 40%, 52%
XYZ	15.9711, 15.2662, 9.6943
YIQ	109.3480, 25.2630, -0.7930

Conversions

Conversions Part 2

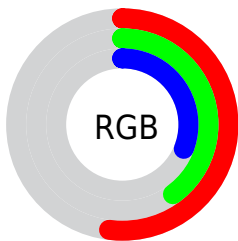
Format	Color
R_{YB}	133, 121, 80
Decimal	8742736
CIE _{Lab}	46.00, 8.68, 17.58
CIE _{LCh}	46, 19.612, 63.718
Yxy	15.2662, 0.3902, 0.3730
Android (android.graphics.Color)	4286932816 (0xFF856750)
YUV	109.3480, -14.4686, 20.7428
Hunter-Lab	39.0720, 4.5878, 12.6397

Details

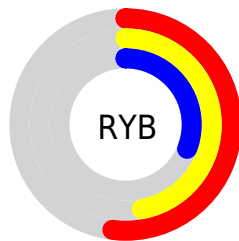
The XYZ color **15.9711, 15.2662, 9.6943** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.1177, 14.5504, 24.3075**, and the grayscale version is **14.6699, 15.4338, 16.8075**.

A 20% lighter version of the original color is **36.0116, 35.2610, 25.6769**, and **5.1972, 4.7435, 2.2318** is the 20% darker color. If you saturate the color by 10%, you get **14.8123, 13.6586, 7.1189**, and if you desaturate by 10%, it is **17.2954, 17.0490, 12.8052**.

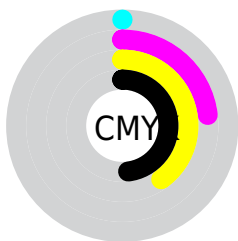
Distribution



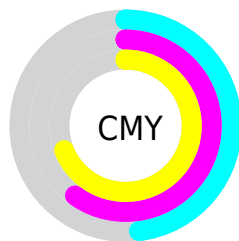
- Red (52%)
- Green (40%)
- Blue (31%)



- Red (52%)
- Yellow (47%)
- Blue (31%)



- Cyan (0%)
- Magenta (23%)
- Yellow (40%)
- Black (48%)





- Cyan (48%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9711, 15.2662, 9.6943 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 15.9711, 15.2662, 9.6943 by changing the saturation by 10% instead.


 15.9711, 15.2662,
9.6943


 15.9711, 15.2662,
9.6943


222.4449,
224.9719, 198.8810


 9.5944, 9.0064,
5.0938


 36.1059, 35.3195,
25.8177


 5.1911, 4.7454,
2.2427

 50.5947, 49.8818,
38.1776


 2.3957, 2.0987,
0.6989

 68.5183, 67.9804,
53.9611

 0.8430, 0.6639,
0.0000

 90.2419, 89.9997,
73.5867

 0.0000, 0.0000,
0.0000

 116.1311,
116.3241, 97.4730

146.5510,

147.3380, 126.0384

181.8672,
183.4258, 159.7016

■ 15.9711, 15.2662,
9.6943

■ 15.9711, 15.2662,
9.6943

■ 14.8123, 13.6586,
7.1189

■ 17.2954, 17.0490,
12.8052

■ 13.8102, 12.2182,
5.0472

■ 18.7911, 19.0104,
16.4791

■ 12.9572, 10.9395,
3.4451

■ 20.4651, 21.1563,
20.7428

■ 12.2439, 9.8158,
2.2742

■ 22.3236, 23.4918,
25.6210

■ 11.6602, 8.8396,
1.4896

■ 24.3724, 26.0217,
31.1370

■ 11.1789, 7.9968,
0.9601

■ 26.6171, 28.7506,
37.3131

■ 11.1721, 7.9849,
0.9524

■ 29.0632, 31.6829,
44.1701

■ 31.7156, 34.8230,
51.7282

■ 34.5795, 38.1750,
60.0066

Harmonies

Analogous

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



17.3329, 15.2662, 12.0431



15.9711, 15.2662, 9.6943



14.3039, 15.2662, 9.0618

Triad

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



15.9711, 15.2662, 9.6943



11.5499, 15.2662, 17.2227



16.3567, 15.2662, 25.4530

Complementary

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



15.9711, 15.2662, 9.6943



13.1177, 14.5504, 24.3075

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.



14.7182, 15.2662, 27.5260



15.9711, 15.2662, 9.6943



12.0117, 15.2662, 22.2360

Square

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



15.9711, 15.2662, 9.6943



11.8300, 15.2662, 12.8913



13.1410, 15.2662, 26.2494



17.5671, 15.2662, 21.0116

Rectangle

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



15.9711, 15.2662, 9.6943



13.2626, 15.2662, 9.5740



13.1410, 15.2662, 26.2494



15.8334, 15.2662, 26.4847

Sweetspot

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



15.9715, 15.2669, 9.6946



35.8923, 36.9244, 35.1960



15.3580, 11.8505, 16.2395



8.0138, 8.2263, 7.7437



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.



15.9715, 15.2669, 9.6946



26.6730, 24.6674, 13.0659



19.0328, 21.3896, 10.7151



4.8265, 4.9966, 4.9394



10.6494, 7.6213, 0.9098



0.0439, 0.0405, 0.0055

Inverse Universe

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



13.1177, 14.5504, 24.3075



20.7994, 23.1847, 43.1172



10.6763, 9.6675, 23.4937



4.6368, 4.9493, 5.9117



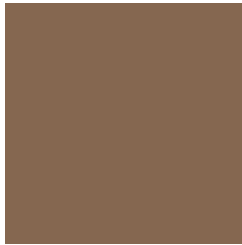
6.4552, 6.4582, 22.0430



0.0296, 0.0369, 0.0788

Previews

White Background



This preview shows how the XYZ color 15.9711, 15.2662, 9.6943 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 15.9711, 15.2662, 9.6943 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 15.9711, 15.2662, 9.6943

Background



This preview shows how black text looks on a background with the XYZ color 15.9711, 15.2662, 9.6943.



This preview shows how white text looks on a background with the XYZ color 15.9711, 15.2662,

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

15.9711, 15.2662, 9.6943

Protanopia

14.3661, 15.3437, 10.3881

Deuteranopia

15.5528, 15.3495, 9.7324



Tritanopia

17.2690, 15.2195, 15.9374

Trichromacy



Original Color

15.9711, 15.2662, 9.6943

Protanomaly

14.9491, 15.3355, 10.1548

Deuteranomaly

15.6042, 15.2256, 9.7058

Tritanomaly

16.7065, 15.1283, 13.3488

Monochromacy



Original Color

15.9711, 15.2662, 9.6943

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.9335, 15.2488, 13.7115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9711, 15.2662, 9.6943 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, 103, 80)` looks like.

```
.text, #text, p{  
    color:rgb(133, 103, 80)  
}
```

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, 103, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 103, 80) }
```

Border

The CSS property to change the border of an element to XYZ 15.9711, 15.2662, 9.6943 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, 103, 80) }
```


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

```
.border{ border-color:rgb(133, 103, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 103, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 103, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 103, 80);  
box-shadow:4px 4px 4px 4px rgb(133, 103,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9711, 15.2662, 9.6943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 103, 80) }
```

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

```
.background{ background-color: rgb(133,  
103, 80) }
```

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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