

Converting Colors

XYZ(15.8172, 16.1215, 8.8913)

Have a look what the booklet for
XYZ(15.8172, 16.1215, 8.8913)
contains.

XYZ(15.7919, 16.1124, 8.9343)	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(15.7919, 16.1124,
8.9343)**

Conversions

Conversions Part 1

Format	Color
Hex	816D4B
RGB	129, 109, 75
RGB Percent	51%, 43%, 29%
CMY	0.4941, 0.5725, 0.7059
CMYK	0.00, 0.16, 0.42, 0.49
HSL	38°, 26%, 40%
HSV	38°, 42%, 51%
XYZ	15.7919, 16.1124, 8.9343
YIQ	111.1040, 22.8340, -6.3340

Conversions

Conversions Part 2

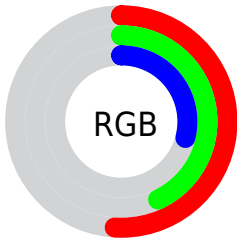
Format	Color
RYB	107, 129, 75
Decimal	8482123
CIELab	47.12, 2.80, 21.92
CIElCh	47, 22.100, 82.723
Yxy	16.1124, 0.3867, 0.3945
Android (android.graphics.Color)	4286672203 (0xFF816D4B)
YUV	111.1040, -17.7993, 15.6948
Hunter-Lab	40.1403, -0.0203, 14.9016

Details

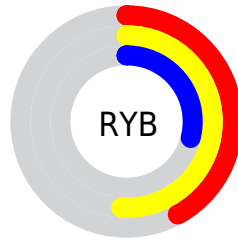
The XYZ color **15.7919, 16.1124, 8.9343** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.9562, 11.2649, 22.3658**, and the grayscale version is **15.1854, 15.9762, 17.3981**.

A 20% lighter version of the original color is **35.7373, 36.6641, 24.2621**, and **5.0989, 5.1587, 1.9553** is the 20% darker color. If you saturate the color by 10%, you get **14.8987, 14.9623, 6.6748**, and if you desaturate by 10%, it is **16.8032, 17.3552, 11.6753**.

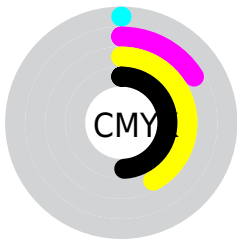
Distribution



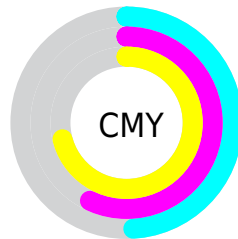
- Red (51%)
- Green (43%)
- Blue (29%)



- Red (42%)
- Yellow (51%)
- Blue (29%)



- Cyan (0%)
- Magenta (16%)
- Yellow (42%)
- Black (49%)



- Cyan (49%)
- Magenta (57%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7919, 16.1124, 8.9343 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 15.7919, 16.1124, 8.9343 by changing the saturation by 10% instead.

■ 15.7919, 16.1124,
8.9343

■ 15.7919, 16.1124,
8.9343

221.4052,
230.0041, 193.0870

■ 9.4669, 9.6037,
4.6021

■ 35.7969, 36.7932,
24.3464

■ 5.1065, 5.1370,
1.9611

■ 50.2077, 51.7342,
36.2634

■ 2.3453, 2.3279,
0.5312

■ 68.0444, 70.2547,
51.5458

■ 0.8177, 0.7884,
0.0000

■ 89.6725, 92.7391,
70.6121

■ 0.0000, 0.0000,
0.0000

■ 115.4573,
119.5718, 93.8808

145.7641,

151.1373, 121.7705

180.9583,
187.8199, 154.6997

■ 15.7919, 16.1124,
8.9343

■ 15.7919, 16.1124,
8.9343

■ 14.8987, 14.9623,
6.6748

■ 16.8032, 17.3552,
11.6753

■ 14.1164, 13.8996,
4.8669

■ 17.9368, 18.6914,
14.9233

■ 13.4391, 12.9218,
3.4791

■ 19.1981, 20.1243,
18.7031

■ 12.8593, 12.0253,
2.4752

■ 20.5918, 21.6565,
23.0375

■ 12.3686, 11.2058,
1.8127

■ 22.1225, 23.2905,
27.9481

■ 12.0128, 10.5861,
1.4102

■ 23.7943, 25.0285,
33.4552

■ 25.6113, 26.8728,
39.5783

■ 27.5773, 28.8255,
46.3358

■ 29.6961, 30.8886,
53.7456

Harmonies

Analogous

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



17.6876, 16.1124, 10.3395



15.7919, 16.1124, 8.9343



13.9176, 16.1124, 9.4169

Triad

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



15.7919, 16.1124, 8.9343



12.1237, 16.1124, 22.0043



18.4799, 16.1124, 24.8455

Complementary

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



15.7919, 16.1124, 8.9343



10.9562, 11.2649, 22.3658

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.



16.8016, 16.1124, 29.3633



15.7919, 16.1124, 8.9343



13.1635, 16.1124, 27.4961

Square

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



15.7919, 16.1124, 8.9343



11.9029, 16.1124, 16.2245



14.8465, 16.1124, 30.4239



19.3223, 16.1124, 18.9325

Rectangle

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



15.7919, 16.1124, 8.9343



12.9195, 16.1124, 10.8052



14.8465, 16.1124, 30.4239



17.9883, 16.1124, 26.6246

Sweetspot

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



15.7923, 16.1132, 8.9346



34.0387, 35.6565, 32.4545



13.6670, 10.5385, 12.3080



7.6047, 7.9583, 7.0438



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.7923, 16.1132, 8.9346



26.7838, 26.9308, 12.2049



17.2458, 20.3974, 9.6850



4.5356, 4.7600, 4.5998



11.7166, 10.3296, 1.3763



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9562, 11.2649, 22.3658



16.9318, 17.0628, 39.5935



9.8978, 8.3800, 21.8647



4.2292, 4.4523, 5.4498



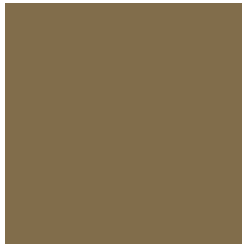
4.8886, 3.5956, 20.6863



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7919, 16.1124, 8.9343 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 15.7919, 16.1124, 8.9343 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

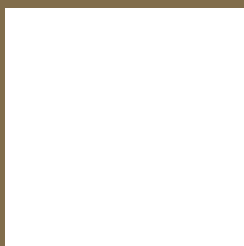
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7919, 16.1124, 8.9343

Background



This preview shows how black text looks on a background with the XYZ color 15.7919, 16.1124, 8.9343.



This preview shows how white text looks on a background with the XYZ color 15.7919, 16.1124,

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

15.7919, 16.1124, 8.9343

Protanopia

14.9838, 16.1751, 9.1698

Deuteranopia

16.3592, 16.0917, 8.9004



Tritanopia

17.5478, 16.0570, 17.5037

Trichromacy



Original Color

15.7919, 16.1124, 8.9343

Protanomaly

15.3011, 16.1758, 9.1533

Deuteranomaly

16.1483, 16.1387, 8.9206

Tritanomaly

16.9219, 16.1145, 14.0229

Monochromacy



Original Color

15.7919, 16.1124, 8.9343

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2517, 15.8853, 13.8176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7919, 16.1124, 8.9343 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(129, 109, 75)` looks like.

```
.text, #text, p{  
    color:rgb(129, 109, 75)  
}
```

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(129, 109, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 109, 75) }
```

Border

The CSS property to change the border of an element to XYZ 15.7919, 16.1124, 8.9343 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(129, 109, 75) }
```


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

```
.border{ border-color:rgb(129, 109, 75) }
```

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

Here you see how a box with a 4 pixel rgb(129, 109, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 109, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 109, 75);  
box-shadow:4px 4px 4px 4px rgb(129, 109,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7919, 16.1124, 8.9343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 109, 75) }
```

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

```
.background{ background-color: rgb(129,  
109, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor