

Converting Colors

XYZ(15.9658, 14.3558, 9.0680)

Have a look what the booklet for
XYZ(15.9658, 14.3558, 9.0680)
contains.

XYZ(15.9664, 14.4178, 9.1491)	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(15.9664, 14.4178,
9.1491)**

Conversions

Conversions Part 1

Format	Color
Hex	89614E
RGB	137, 97, 78
RGB Percent	54%, 38%, 31%
CMY	0.4627, 0.6196, 0.6941
CMYK	0.00, 0.29, 0.43, 0.46
HSL	19°, 27%, 42%
HSV	19°, 43%, 54%
XYZ	15.9664, 14.4178, 9.1491
YIQ	106.7940, 29.9390, 2.5710

Conversions

Conversions Part 2

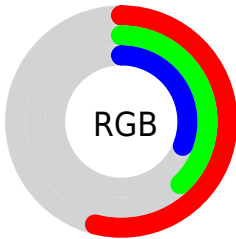
Format	Color
RYB	137, 106, 78
Decimal	9003342
CIELab	44.83, 13.70, 17.27
CIELCh	45, 22.048, 51.577
Yxy	14.4178, 0.4039, 0.3647
Android (android.graphics.Color)	4287193422 (0xFF89614E)
YUV	106.7940, -14.1954, 26.4907
Hunter-Lab	37.9708, 8.6089, 12.2936

Details

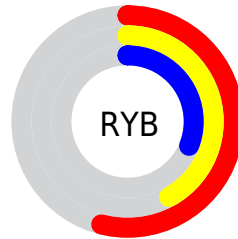
The XYZ color **15.9664, 14.4178, 9.1491** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.1355, 16.3822, 26.0841**, and the grayscale version is **13.9506, 14.6772, 15.9834**.

A 20% lighter version of the original color is **36.1589, 33.9186, 24.7198**, and **5.1614, 4.3223, 2.0011** is the 20% darker color. If you saturate the color by 10%, you get **14.7170, 12.6249, 6.5567**, and if you desaturate by 10%, it is **17.4194, 16.4540, 12.3146**.

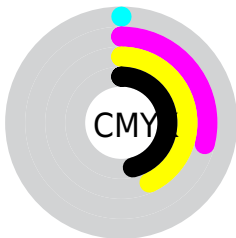
Distribution



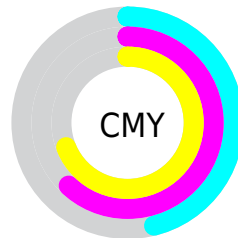
- Red (54%)
- Green (38%)
- Blue (31%)



- Red (54%)
- Yellow (42%)
- Blue (31%)



- Cyan (0%)
- Magenta (29%)
- Yellow (43%)
- Black (46%)



- Cyan (46%)
- Magenta (62%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9664, 14.4178, 9.1491 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 15.9664, 14.4178, 9.1491 by changing the saturation by 10% instead.

■ 15.9664, 14.4178,
9.1491

■ 15.9664, 14.4178,
9.1491

222.4177,
219.8147, 194.7451

■ 9.5911, 8.4118,
4.7404

■ 36.0978, 33.8285,
24.7645

■ 5.1889, 4.3596,
2.0397

■ 50.5845, 48.0021,
36.8084

■ 2.3944, 1.8767,
0.5795

■ 68.5058, 65.6669,
52.2343

■ 0.8423, 0.5343,
0.0000

■ 90.2270, 87.2075,
71.4610

■ 0.0000, 0.0000,
0.0000

■ 116.1134,
113.0082, 94.9069

146.5304,

143.4533, 122.9905

181.8434,
178.9274, 156.1304

■ 15.9664, 14.4178,
9.1491

■ 15.9664, 14.4178,
9.1491

■ 14.7170, 12.6249,
6.5567

■ 17.4194, 16.4540,
12.3146

■ 13.6603, 11.0638,
4.5016

■ 19.0839, 18.7404,
16.0843

■ 12.7858, 9.7250,
2.9453

■ 20.9691, 21.2860,
20.4880

■ 12.0814, 8.5975,
1.8439

■ 23.0828, 24.0990,
25.5532

■ 11.5336, 7.6691,
1.1452

■ 25.4327, 27.1869,
31.3060

■ 11.2219, 7.1291,
0.7846

■ 28.0262, 30.5571,
37.7709

■ 30.8700, 34.2168,
44.9713

■ 33.9710, 38.1726,
52.9293

■ 37.3354, 42.4312,
61.6664

Harmonies

Analogous

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



17.1765, 14.4178, 12.3317



15.9664, 14.4178, 9.1491



14.2163, 14.4178, 7.8000

Triad

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



15.9664, 14.4178, 9.1491



10.5604, 14.4178, 14.2925



15.0148, 14.4178, 26.8230

Complementary

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



15.9664, 14.4178, 9.1491



14.1355, 16.3822, 26.0841

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.



13.2035, 14.4178, 27.6708



15.9664, 14.4178, 9.1491



10.7337, 14.4178, 19.6284

Square

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



15.9664, 14.4178, 9.1491



11.1697, 14.4178, 10.3143



11.6655, 14.4178, 24.8032



16.5945, 14.4178, 22.6905

Rectangle

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



15.9664, 14.4178, 9.1491



13.0215, 14.4178, 7.8595



11.6655, 14.4178, 24.8032



14.4093, 14.4178, 27.5329

Sweetspot

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



15.9668, 14.4185, 9.1494



37.4725, 38.0131, 36.5027



16.3299, 12.0828, 18.7100



8.2501, 8.3183, 7.8220



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.9668, 14.4185, 9.1494



26.3385, 22.5842, 11.7076



19.1761, 20.8372, 10.2192



5.1559, 5.2946, 5.3026



10.4631, 6.6607, 0.7342



0.0817, 0.0686, 0.0089

Inverse Universe

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



14.1355, 16.3822, 26.0841



22.5795, 26.5676, 46.3212



11.2145, 10.5403, 25.1104



5.0393, 5.4216, 6.3867



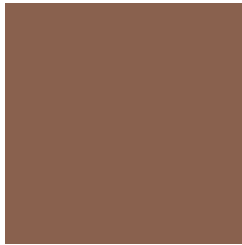
7.8531, 8.9765, 23.3644



0.0655, 0.0862, 0.1596

Previews

White Background



This preview shows how the XYZ color 15.9664, 14.4178, 9.1491 looks on a white background.

Color Contrast Check

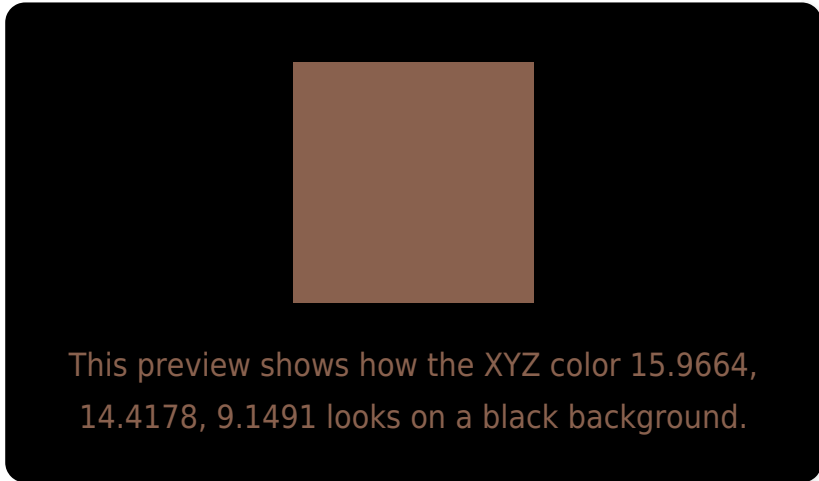
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9664, 14.4178, 9.1491

Background



This preview shows how black text looks on a background with the XYZ color 15.9664, 14.4178, 9.1491.



This preview shows how white text looks on a background with the XYZ color 15.9664, 14.4178,

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

15.9664, 14.4178, 9.1491

Protanopia

13.4871, 14.4280, 10.0567

Deuteranopia

14.6951, 14.4742, 9.0405



Tritanopia

16.9991, 14.4340, 14.2020

Trichromacy



Original Color

15.9664, 14.4178, 9.1491

Protanomaly

14.3615, 14.4322, 9.8133

Deuteranomaly

15.1026, 14.3960, 9.0039

Tritanomaly

16.5492, 14.3780, 12.2589

Monochromacy



Original Color

15.9664, 14.4178, 9.1491

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.4328, 14.3966, 13.0845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9664, 14.4178, 9.1491 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(137, 97, 78)` looks like.

```
.text, #text, p{  
    color:rgb(137, 97, 78)  
}
```

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(137, 97, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 97, 78) }
```

Border

The CSS property to change the border of an element to XYZ 15.9664, 14.4178, 9.1491 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(137, 97, 78) }
```


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

```
.border{ border-color:rgb(137, 97, 78) }
```

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

Here you see how a box with a 4 pixel rgb(137, 97, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 97, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 97, 78);  
box-shadow:4px 4px 4px 4px rgb(137, 97,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9664, 14.4178, 9.1491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 97, 78) }
```

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

```
.background{ background-color: rgb(137, 97,  
78) }
```

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