

Converting Colors

XYZ(19.8862, 19.7100, 9.9640)

Have a look what the booklet for
XYZ(19.8862, 19.7100, 9.9640)
contains.

XYZ(19.8862, 19.7100, 9.9640)	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(19.8862, 19.7100,
9.9640)**

Conversions

Conversions Part 1

Format	Color
Hex	93764E
RGB	147, 118, 78
RGB Percent	58%, 46%, 31%
CMY	0.4235, 0.5372, 0.6941
CMYK	0.00, 0.20, 0.47, 0.42
HSL	35°, 31%, 44%
HSV	35°, 47%, 58%
XYZ	19.8862, 19.7100, 9.9640
YIQ	122.1110, 30.1240, -6.2920

Conversions

Conversions Part 2

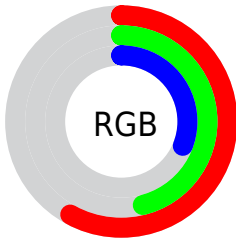
Format	Color
R_{YB}	128, 147, 78
Decimal	9664078
CIE _{Lab}	51.51, 5.85, 26.27
CIE _{LCh}	52, 26.909, 77.447
Yxy	19.7100, 0.4013, 0.3977
Android (android.graphics.Color)	4287854158 (0xFF93764E)
YUV	122.1110, -21.7467, 21.8277
Hunter-Lab	44.3959, 2.2623, 17.7704

Details

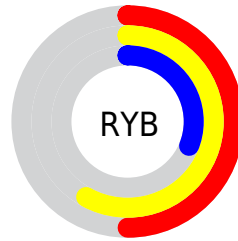
The XYZ color **19.8862, 19.7100, 9.9640** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.6658, 14.2410, 29.6322**, and the grayscale version is **18.5973, 19.5658, 21.3072**.

A 20% lighter version of the original color is **42.6281, 42.8645, 26.4490**, and **7.0670, 6.8643, 2.3190** is the 20% darker color. If you saturate the color by 10%, you get **18.7133, 18.1154, 7.2572**, and if you desaturate by 10%, it is **21.2256, 21.4489, 13.3080**.

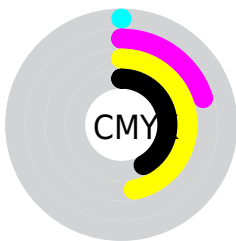
Distribution



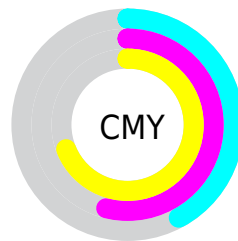
- Red (58%)
- Green (46%)
- Blue (31%)



- Red (50%)
- Yellow (58%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (47%)
- Black (42%)



- Cyan (42%)
- Magenta (54%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8862, 19.7100, 9.9640 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 19.8862, 19.7100, 9.9640 by changing the saturation by 10% instead.

■ 19.8862, 19.7100,
9.9640

■ 19.8862, 19.7100,
9.9640

244.1437,
250.3408, 200.8904

■ 12.4201, 12.1844,
5.2698

■ 42.7317, 42.9304,
26.3345

■ 7.1047, 6.8694,
2.3449

■ 58.8419, 59.3941,
38.8479

■ 3.5746, 3.3806,
0.7562

■ 78.5641, 79.6059,
54.8048

■ 1.4644, 1.3335,
0.0000

■ 102.2637,
103.9502, 74.6237

■ 0.3014, 0.1669,
0.0000

■ 130.3062,
132.8115, 98.7232

■ 0.0000, 0.0000,
0.0000

163.0567,

166.5741, 127.5218

200.8808,
205.6224, 161.4380

■ 19.8862, 19.7100,
9.9640

■ 19.8862, 19.7100,
9.9640

■ 18.7133, 18.1154,
7.2572

■ 21.2256, 21.4489,
13.3080

■ 17.6965, 16.6573,
5.1443

■ 22.7380, 23.3340,
17.3263

■ 16.8266, 15.3313,
3.5783

■ 24.4316, 25.3705,
22.0545

■ 16.0921, 14.1312,
2.5046

■ 26.3132, 27.5626,
27.5254

■ 15.4749, 13.0482,
1.8322

■ 28.3895, 29.9142,
33.7697

■ 15.2988, 12.7356,
1.6519

■ 30.6668, 32.4292,
40.8163

■ 33.1509, 35.1110,
48.6927

■ 35.8475, 37.9633,
57.4250

■ 38.7621, 40.9894,
67.0383

Harmonies

Analogous

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



22.4729, 19.7100, 12.2574



19.8862, 19.7100, 9.9640



17.2183, 19.7100, 10.1626

Triad

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



19.8862, 19.7100, 9.9640



14.2001, 19.7100, 26.2401



22.8291, 19.7100, 33.1827

Complementary

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



19.8862, 19.7100, 9.9640



13.6658, 14.2410, 29.6322

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.



20.3357, 19.7100, 39.0228



19.8862, 19.7100, 9.9640



15.4342, 19.7100, 34.3991

Square

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



19.8862, 19.7100, 9.9640



14.1048, 19.7100, 18.3856



17.6267, 19.7100, 39.5150



24.2785, 19.7100, 24.8611

Rectangle

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



19.8862, 19.7100, 9.9640



15.7480, 19.7100, 11.6800



17.6267, 19.7100, 39.5150



22.0749, 19.7100, 35.5797

Sweetspot

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



19.8867, 19.7109, 9.9644



44.6135, 46.4481, 41.9613



17.4585, 12.7326, 15.6971



10.0372, 10.4299, 9.1566



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.8867, 19.7109, 9.9644



33.4713, 32.3840, 12.9049



23.0329, 27.2037, 11.2448



6.0632, 6.3402, 6.1447



13.2882, 11.0907, 1.4404



0.1919, 0.1942, 0.0274

Inverse Universe

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



13.6658, 14.2410, 29.6322



20.9721, 21.4063, 52.4611



11.5231, 9.3764, 28.8062



5.6878, 6.0096, 7.3299



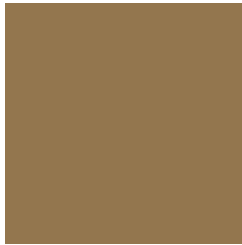
6.0721, 4.8390, 24.5450



0.1024, 0.1154, 0.3098

Previews

White Background



This preview shows how the XYZ color 19.8862, 19.7100, 9.9640 looks on a white 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

Black Background



This preview shows how the XYZ color 19.8862, 19.7100, 9.9640 looks on a black 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

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

XYZ 19.8862, 19.7100, 9.9640

Background



This preview shows how black text looks on a background with the XYZ color 19.8862, 19.7100, 9.9640.



This preview shows how white text looks on a background with the XYZ color 19.8862, 19.7100,

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

19.8862, 19.7100, 9.9640

Protanopia

18.3624, 19.8134, 10.4460

Deuteranopia

19.9492, 19.5685, 9.9334



Tritanopia

22.1188, 19.7700, 20.7394

Trichromacy



Original Color

19.8862, 19.7100, 9.9640

Protanomaly

18.8961, 19.7282, 10.2091

Deuteranomaly

19.9492, 19.5685, 9.9334

Tritanomaly

21.2582, 19.7654, 16.0593

Monochromacy



Original Color

19.8862, 19.7100, 9.9640

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.7990, 19.5406, 16.4166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8862, 19.7100, 9.9640 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(147, 118, 78)` looks like.

```
.text, #text, p{  
    color:rgb(147, 118, 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(147, 118, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 118, 78) }
```

Border

The CSS property to change the border of an element to XYZ 19.8862, 19.7100, 9.9640 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(147, 118, 78) }
```


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

```
.border{ border-color:rgb(147, 118, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 118, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 118, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 118, 78);  
box-shadow:4px 4px 4px 4px rgb(147, 118,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8862, 19.7100, 9.9640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 118, 78) }
```

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

```
.background{ background-color: rgb(147,  
118, 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](#).

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