

Converting Colors

XYZ(19.4832, 20.8487, 15.3095)

Have a look what the booklet for
XYZ(19.4832, 20.8487, 15.3095)
contains.

XYZ(19.4827, 20.8478, 15.3091)	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(19.4827, 20.8478,
15.3091)**

Conversions

Conversions Part 1

Format	Color
Hex	857E65
RGB	133, 126, 101
RGB Percent	52%, 49%, 40%
CMY	0.4784, 0.5059, 0.6039
CMYK	0.00, 0.05, 0.24, 0.48
HSL	47°, 14%, 46%
HSV	47°, 24%, 52%
XYZ	19.4827, 20.8478, 15.3091
YIQ	125.2430, 12.1970, -6.2910

Conversions

Conversions Part 2

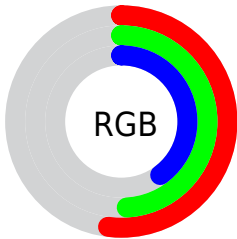
Format	Color
R_{YB}	110, 133, 101
Decimal	8748645
CIE _{Lab}	52.78, -1.67, 14.59
CIE _{LCh}	53, 14.687, 96.520
Yxy	20.8478, 0.3502, 0.3747
Android (android.graphics.Color)	4286938725 (0xFF857E65)
YUV	125.2430, -11.9518, 6.8029
Hunter-Lab	45.6594, -3.7386, 12.0823

Details

The XYZ color **19.4827, 20.8478, 15.3091** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.9630, 15.1850, 24.3329**, and the grayscale version is **19.6115, 20.6328, 22.4691**.

A 20% lighter version of the original color is **42.0373, 44.9463, 36.1657**, and **6.8870, 7.4131, 4.5579** is the 20% darker color. If you saturate the color by 10%, you get **18.5168, 19.8757, 12.0282**, and if you desaturate by 10%, it is **20.5660, 21.8856, 19.1500**.

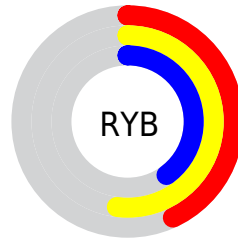
Distribution



Red (52%)

Green (49%)

Blue (40%)



Red (43%)

Yellow (52%)

Blue (40%)

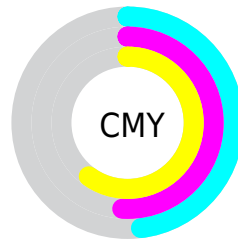


Cyan (0%)

Magenta (5%)

Yellow (24%)

Black (48%)



Cyan (48%)

Magenta (51%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4827, 20.8478, 15.3091 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 19.4827, 20.8478, 15.3091 by changing the saturation by 10% instead.

■ 19.4827, 20.8478,
15.3091

■ 19.4827, 20.8478,
15.3091

241.9880,
256.4685, 236.9344

■ 12.1257, 13.0128,
8.8876

■ 42.0588, 44.8341,
36.1445

■ 6.9021, 7.4374,
4.5721

■ 58.0085, 61.7542,
51.3954

■ 3.4467, 3.7371,
1.9442

■ 77.5532, 82.4714,
70.4265

■ 1.3942, 1.5276,
0.5206

■ 101.0581,
107.3702, 93.6564

■ 0.2521, 0.3080,
0.0000

128.8887,
136.8349, 121.5037

■ 0.0000, 0.0000,
0.0000

161.4104,

171.2499, 154.3867

198.9883,
210.9997, 192.7241

■ 19.4827, 20.8478,
15.3091

■ 19.4827, 20.8478,
15.3091

■ 18.5168, 19.8757,
12.0282

■ 20.5660, 21.8856,
19.1500

■ 17.6615, 18.9643,
9.2792

■ 21.7699, 22.9883,
23.5745

■ 16.9117, 18.1121,
7.0338

■ 23.0994, 24.1589,
28.6065

■ 16.2615, 17.3166,
5.2602

■ 24.5589, 25.3992,
34.2680

■ 15.7039, 16.5749,
3.9231

■ 26.1524, 26.7110,
40.5801

■ 15.2313, 15.8837,
2.9823

■ 27.8837, 28.0959,
47.5628

■ 14.8338, 15.2389,
2.3865

■ 29.7567, 29.5556,
55.2352

■ 14.6149, 14.8706,
2.1000

■ 31.7748, 31.0917,
63.6158

■ 33.9416, 32.7055,
72.7223

Harmonies

Analogous

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



21.0119, 20.8478, 15.8096



19.4827, 20.8478, 15.3091



18.1139, 20.8478, 16.5740

Triad

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



19.4827, 20.8478, 15.3091



17.5415, 20.8478, 28.0978



22.6408, 20.8478, 26.2286

Complementary

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



19.4827, 20.8478, 15.3091



14.9630, 15.1850, 24.3329

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.



21.6199, 20.8478, 30.1746



19.4827, 20.8478, 15.3091



18.6649, 20.8478, 31.3473

Square

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



19.4827, 20.8478, 15.3091



17.0310, 20.8478, 23.6709



20.1515, 20.8478, 32.1524



22.8874, 20.8478, 21.7555

Rectangle

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



19.4827, 20.8478, 15.3091



17.4590, 20.8478, 18.3578



20.1515, 20.8478, 32.1524



22.3744, 20.8478, 27.6774

Sweetspot

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



19.4832, 20.8487, 15.3095



38.2933, 40.5422, 39.6466



17.0585, 15.3869, 16.3891



8.6047, 9.1134, 8.8493



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.



19.4832, 20.8487, 15.3095



33.8961, 36.3460, 24.0053



19.1165, 22.0348, 15.5578



4.9557, 5.2549, 4.9825



13.9269, 14.1764, 2.0023



0.0535, 0.0597, 0.0087

Inverse Universe

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



14.9630, 15.1850, 24.3329



24.3066, 24.3327, 43.1540



15.2601, 14.2863, 24.1437



4.5110, 4.6976, 5.8697



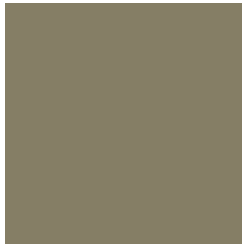
4.4583, 2.4645, 21.3774



0.0200, 0.0177, 0.0756

Previews

White Background



This preview shows how the XYZ color 19.4827, 20.8478, 15.3091 looks on a white background.

Color Contrast Check

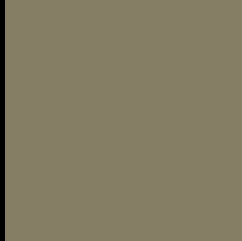
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4827, 20.8478, 15.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

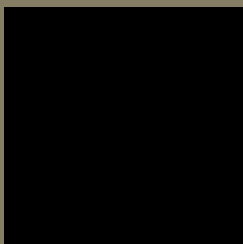
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

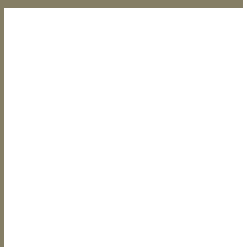
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4827, 20.8478, 15.3091

Background



This preview shows how black text looks on a background with the XYZ color 19.4827, 20.8478, 15.3091.

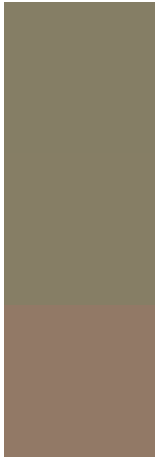


This preview shows how white text looks on a background with the XYZ color 19.4827, 20.8478,

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

19.4827, 20.8478, 15.3091

Protanopia

19.6413, 20.9296, 15.3165

Deuteranopia

21.0897, 20.7450, 15.4630



Tritanopia

21.3728, 20.8761, 24.3758

Trichromacy



Original Color

19.4827, 20.8478, 15.3091

Protanomaly

19.6413, 20.9296, 15.3165

Deuteranomaly

20.4657, 20.7879, 15.5042

Tritanomaly

20.6265, 20.7562, 20.6885

Monochromacy



Original Color

19.4827, 20.8478, 15.3091

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3881, 20.5174, 19.4614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4827, 20.8478, 15.3091 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, 126, 101)` looks like.

```
.text, #text, p{  
    color:rgb(133, 126, 101)  
}
```

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, 126, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 126, 101) }
```

Border

The CSS property to change the border of an element to XYZ 19.4827, 20.8478, 15.3091 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, 126, 101) }
```


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

```
.border{ border-color:rgb(133, 126, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 126, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 126, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 126, 101);  
box-shadow:4px 4px 4px 4px rgb(133, 126,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4827, 20.8478, 15.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 126, 101) }
```

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

```
.background{ background-color: rgb(133,  
126, 101) }
```

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