

Converting Colors

XYZ(22.2214, 19.8036, 17.0787)

Have a look what the booklet for
XYZ(22.2214, 19.8036, 17.0787)
contains.

XYZ(22.2648, 19.7604, 17.1087)	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(22.2648, 19.7604,
17.1087)**

Conversions

Conversions Part 1

Format	Color
Hex	9C706D
RGB	156, 112, 109
RGB Percent	61%, 44%, 43%
CMY	0.3882, 0.5608, 0.5725
CMYK	0.00, 0.28, 0.30, 0.39
HSL	4°, 19%, 52%
HSV	4°, 30%, 61%
XYZ	22.2648, 19.7604, 17.1087
YIQ	124.8140, 27.1870, 8.3950

Conversions

Conversions Part 2

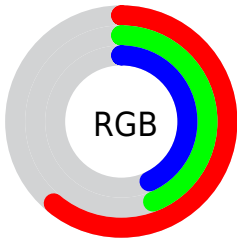
Format	Color
R_{YB}	156, 112, 109
Decimal	10252397
CIE _{Lab}	51.57, 16.99, 8.57
CIE _{LCh}	52, 19.031, 26.759
Yxy	19.7604, 0.3765, 0.3342
Android (android.graphics.Color)	4288442477 (0xFF9C706D)
YUV	124.8140, -7.7963, 27.3501
Hunter-Lab	44.4527, 11.6123, 8.2977

Details

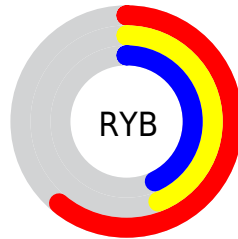
The XYZ color **22.2648, 19.7604, 17.1087** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.6983, 28.4331, 35.6917**, and the grayscale version is **19.4499, 20.4628, 22.2840**.

A 20% lighter version of the original color is **46.4846, 42.9379, 39.0955**, and **8.2964, 6.8982, 5.4516** is the 20% darker color. If you saturate the color by 10%, you get **20.0158, 16.4890, 12.5771**, and if you desaturate by 10%, it is **24.9253, 23.6159, 22.5133**.

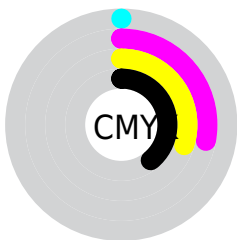
Distribution



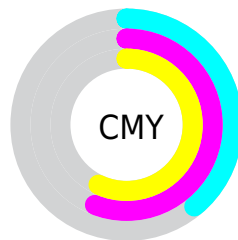
- Red (61%)
- Green (44%)
- Blue (43%)



- Red (61%)
- Yellow (44%)
- Blue (43%)



- Cyan (0%)
- Magenta (28%)
- Yellow (30%)
- Black (39%)





- Cyan (39%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2648, 19.7604, 17.1087 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 22.2648, 19.7604, 17.1087 by changing the saturation by 10% instead.


 22.2648, 19.7604,
17.1087


 22.2648, 19.7604,
17.1087


256.5325,
250.6151, 247.8631


 14.1693, 12.2210,
10.1492


 46.6589, 43.0151,
39.3058


 8.3210, 6.8944,
5.3911


 63.6881, 59.4992,
55.3805

 4.3546, 3.3961,
2.4158

 84.4260, 79.7337,
75.3307

 1.9046, 1.3419,
0.7950

 109.2379,
104.1029, 99.5749

 0.5795, 0.1733,
0.0000

138.4892,
132.9912, 128.5318

 0.0000, 0.0000,
0.0000

172.5451,

166.7831, 162.6197

211.7711,
205.8629, 202.2573

■ 22.2648, 19.7604,
17.1087

■ 22.2648, 19.7604,
17.1087

■ 20.0158, 16.4890,
12.5771

■ 24.9253, 23.6159,
22.5133

■ 18.1561, 13.7707,
8.8715

■ 28.0148, 28.0792,
28.8320

■ 16.6643, 11.5757,
5.9424


■ 31.5515, 33.1760,
36.1049


■ 15.5156, 9.8704,
3.7347


■ 35.5523, 38.9296,
44.3692


■ 14.6828, 8.6171,
2.1858


■ 40.0333, 45.3622,
53.6601


 14.1341, 7.7728,
1.2224

 45.0095, 52.4951,
64.0113

 13.8185, 7.2843,
0.6777

 50.4956, 60.3484,
75.4548

 56.5053, 68.9416,
88.0211

 63.0523, 78.2933,
101.7399

Harmonies

Analogous

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



22.7027, 19.7604, 22.1173



22.2648, 19.7604, 17.1087



20.8731, 19.7604, 13.8466

Triad

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



22.2648, 19.7604, 17.1087



15.8675, 19.7604, 16.2377



18.5743, 19.7604, 33.8540

Complementary

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



22.2648, 19.7604, 17.1087



23.6983, 28.4331, 35.6917

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.



16.8348, 19.7604, 31.5949



22.2648, 19.7604, 17.1087



15.3403, 19.7604, 20.9251

Square

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



22.2648, 19.7604, 17.1087



17.1722, 19.7604, 13.4070



15.6822, 19.7604, 26.6211



20.4887, 19.7604, 32.3713

Rectangle

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



22.2648, 19.7604, 17.1087



19.6377, 19.7604, 12.7971



15.6822, 19.7604, 26.6211



17.9509, 19.7604, 33.4988

Sweetspot

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



22.2653, 19.7613, 17.1091



51.4572, 51.8287, 53.5458



24.9827, 20.3269, 33.0261



11.1420, 11.1437, 11.4116



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.2653, 19.7613, 17.1091



37.6681, 31.8627, 25.4815



25.1138, 25.4584, 18.0586



6.6654, 6.7108, 6.9297



11.3921, 6.0199, 0.5615



0.2125, 0.1253, 0.0130

Inverse Universe

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



23.6983, 28.4331, 35.6917



40.6854, 50.1383, 64.6601



20.3102, 21.6569, 34.5623



6.7856, 7.4369, 8.4845



13.4231, 18.9378, 28.8551



0.2498, 0.3582, 0.5192

Previews

White Background



This preview shows how the XYZ color 22.2648, 19.7604, 17.1087 looks on a white background.

Color Contrast Check

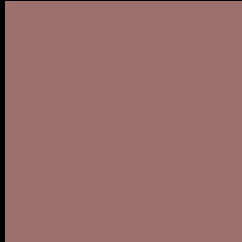
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2648, 19.7604, 17.1087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

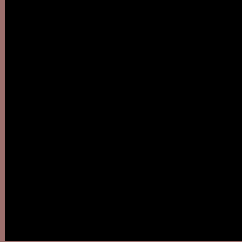
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2648, 19.7604, 17.1087

Background



This preview shows how black text looks on a background with the XYZ color 22.2648, 19.7604, 17.1087.



This preview shows how white text looks on a background with the XYZ color 22.2648, 19.7604,

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

22.2648, 19.7604, 17.1087

Protanopia

18.9299, 19.9157, 19.0661

Deuteranopia

20.2881, 19.9391, 16.9667



Tritanopia

22.8103, 19.6519, 20.0437

Trichromacy



Original Color

22.2648, 19.7604, 17.1087

Protanomaly

20.0587, 19.7892, 18.3853

Deuteranomaly

20.8062, 19.6845, 16.8902

Tritanomaly

22.6836, 19.7748, 18.8410

Monochromacy



Original Color

22.2648, 19.7604, 17.1087

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.1996, 19.9991, 20.2483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2648, 19.7604, 17.1087 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(156, 112, 109)` looks like.

```
.text, #text, p{  
    color:rgb(156, 112, 109)  
}
```

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(156, 112, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 112, 109) }
```

Border

The CSS property to change the border of an element to XYZ 22.2648, 19.7604, 17.1087 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(156, 112, 109) }
```


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

```
.border{ border-color:rgb(156, 112, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 112, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 112, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 112, 109);  
box-shadow:4px 4px 4px 4px rgb(156, 112,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2648, 19.7604, 17.1087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 112, 109) }
```

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

```
.background{ background-color: rgb(156,  
112, 109) }
```

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