

Converting Colors

XYZ(22.2118, 20.8926, 18.7816)

Have a look what the booklet for
XYZ(22.2118, 20.8926, 18.7816)
contains.

XYZ(22.2118, 20.8926, 18.7816)	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(22.2118, 20.8926,
18.7816)**

Conversions

Conversions Part 1

Format	Color
Hex	967772
RGB	150, 119, 114
RGB Percent	59%, 47%, 45%
CMY	0.4118, 0.5333, 0.5529
CMYK	0.00, 0.21, 0.24, 0.41
HSL	8°, 15%, 52%
HSV	8°, 24%, 59%
XYZ	22.2118, 20.8926, 18.7816
YIQ	127.6990, 20.0810, 5.0170

Conversions

Conversions Part 2

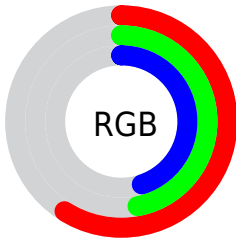
Format	Color
R_{YB}	150, 120, 114
Decimal	9860978
CIE _{Lab}	52.83, 11.29, 7.34
CIE _{LCh}	53, 13.467, 33.044
Yxy	20.8926, 0.3589, 0.3376
Android (android.graphics.Color)	4288051058 (0xFF967772)
YUV	127.6990, -6.7536, 19.5580
Hunter-Lab	45.7084, 6.7515, 7.6336

Details

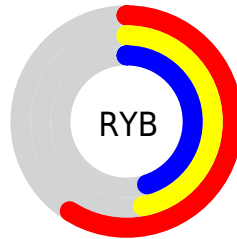
The XYZ color **22.2118, 20.8926, 18.7816** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.5697, 26.0296, 32.6890**, and the grayscale version is **20.4318, 21.4959, 23.4090**.

A 20% lighter version of the original color is **46.6227, 44.8581, 42.2776**, and **8.2736, 7.4965, 6.1652** is the 20% darker color. If you saturate the color by 10%, you get **19.9931, 17.7112, 14.1695**, and if you desaturate by 10%, it is **24.7806, 24.5497, 24.2017**.

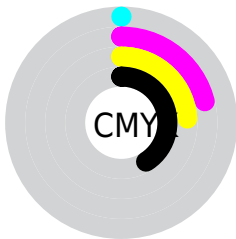
Distribution



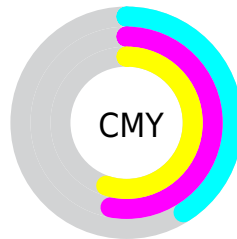
- Red (59%)
- Green (47%)
- Blue (45%)



- Red (59%)
- Yellow (47%)
- Blue (45%)



- Cyan (0%)
- Magenta (21%)
- Yellow (24%)
- Black (41%)



- Cyan (41%)
- Magenta (53%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2118, 20.8926, 18.7816 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 22.2118, 20.8926, 18.7816 by changing the saturation by 10% instead.

■ 22.2118, 20.8926,
18.7816

■ 22.2118, 20.8926,
18.7816

256.2620,
256.7072, 257.6228

■ 14.1301, 13.0455,
11.3374

■ 46.5721, 44.9087,
42.1965

■ 8.2935, 7.4599,
6.1772

■ 63.5813, 61.8466,
59.0042

■ 4.3367, 3.7513,
2.8826

■ 84.2971, 82.5834,
79.7702

■ 1.8943, 1.5355,
1.0350

■ 109.0848,
107.5037, 104.9130

■ 0.5735, 0.3135,
0.0000

138.3098,
136.9919, 134.8511

■ 0.0000, 0.0000,
0.0000

172.3375,

171.4322, 170.0031

211.5330,
211.2092, 210.7875

■ 22.2118, 20.8926,
18.7816

■ 22.2118, 20.8926,
18.7816

■ 19.9931, 17.7112,
14.1695

■ 24.7806, 24.5497,
24.2017

■ 18.1076, 14.9832,
10.3254

■ 27.7121, 28.6981,
30.4647

■ 16.5395, 12.6888,
7.2078

■ 31.0202, 33.3560,
37.6048

■ 15.2712, 10.8055,
4.7709

■ 34.7177, 38.5399,
45.6541

■ 14.2831, 9.3087,
2.9635

■ 38.8169, 44.2656,
54.6431

■ 13.5534, 8.1715,
1.7271

■ 43.3292, 50.5482,
64.6006

■ 13.0566, 7.3628,
0.9915

■ 48.2659, 57.4022,
75.5546

■ 12.8431, 7.0147,
0.6771

■ 53.6377, 64.8416,
87.5316

■ 59.4550, 72.8799,
100.5573

Harmonies

Analogous

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



22.6823, 20.8926, 22.3397



22.2118, 20.8926, 18.7816



21.1089, 20.8926, 16.5203

Triad

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



22.2118, 20.8926, 18.7816



17.5437, 20.8926, 19.4155



20.0017, 20.8926, 31.3912

Complementary

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



22.2118, 20.8926, 18.7816



22.5697, 26.0296, 32.6890

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.



18.6571, 20.8926, 30.3731



22.2118, 20.8926, 18.7816



17.2781, 20.8926, 23.1622

Square

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



22.2118, 20.8926, 18.7816



18.4195, 20.8926, 16.8548



17.6763, 20.8926, 27.2380



21.3691, 20.8926, 29.8771

Rectangle

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



22.2118, 20.8926, 18.7816



20.1871, 20.8926, 15.8947



17.6763, 20.8926, 27.2380



19.5321, 20.8926, 31.3341

Sweetspot

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



22.2124, 20.8936, 18.7820



47.2113, 48.2525, 50.1305



23.7215, 20.5695, 29.5893



10.4037, 10.6100, 10.9834



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.



22.2124, 20.8936, 18.7820



36.9431, 33.6420, 28.4389



24.5324, 25.5337, 19.5554



5.8620, 5.9377, 6.0776



10.6668, 5.8481, 0.5666



0.1431, 0.0966, 0.0111

Inverse Universe

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



22.5697, 26.0296, 32.6890



37.6867, 44.3686, 57.4989



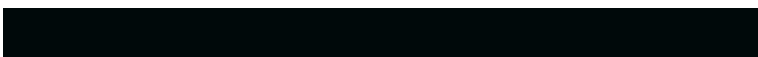
20.0600, 21.0102, 31.8525



5.8961, 6.4262, 7.3994



11.1108, 14.9164, 26.2246



0.1512, 0.2130, 0.3260

Previews

White Background



This preview shows how the XYZ color 22.2118, 20.8926, 18.7816 looks on a white background.

Color Contrast Check

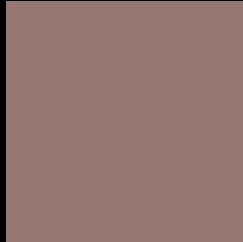
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2118, 20.8926, 18.7816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

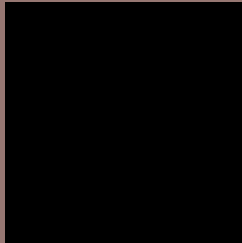
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2118, 20.8926, 18.7816

Background



This preview shows how black text looks on a background with the XYZ color 22.2118, 20.8926, 18.7816.



This preview shows how white text looks on a background with the XYZ color 22.2118, 20.8926,

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

22.2118, 20.8926, 18.7816

Protanopia

20.0909, 21.0550, 20.1447

Deuteranopia

21.2679, 20.9510, 18.5458



Tritanopia

22.8897, 20.8082, 22.5486

Trichromacy



Original Color

22.2118, 20.8926, 18.7816

Protanomaly

20.7751, 20.8535, 19.7598

Deuteranomaly

21.6721, 20.9780, 18.5297

Tritanomaly

22.7538, 20.9413, 21.2552

Monochromacy



Original Color

22.2118, 20.8926, 18.7816

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.0621, 21.3315, 21.7462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2118, 20.8926, 18.7816 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(150, 119, 114)` looks like.

```
.text, #text, p{  
    color:rgb(150, 119, 114)  
}
```

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(150, 119, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 119, 114) }
```

Border

The CSS property to change the border of an element to XYZ 22.2118, 20.8926, 18.7816 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(150, 119, 114) }
```


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

```
.border{ border-color:rgb(150, 119, 114) }
```

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

Here you see how a box with a 4 pixel rgb(150, 119, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 119, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 119, 114);  
box-shadow:4px 4px 4px 4px rgb(150, 119,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2118, 20.8926, 18.7816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 119, 114) }
```

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

```
.background{ background-color: rgb(150,  
119, 114) }
```

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