

Converting Colors

XYZ(22.1643, 21.9858, 8.7067)

Have a look what the booklet for
XYZ(22.1643, 21.9858, 8.7067)
contains.

XYZ(22.1865, 22.0131, 8.7098)	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(22.1865, 22.0131,
8.7098)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7C45
RGB	157, 124, 69
RGB Percent	62%, 49%, 27%
CMY	0.3843, 0.5137, 0.7294
CMYK	0.00, 0.21, 0.56, 0.38
HSL	38°, 39%, 44%
HSV	38°, 56%, 62%
XYZ	22.1865, 22.0131, 8.7098
YIQ	127.5970, 37.3230, -10.1090

Conversions

Conversions Part 2

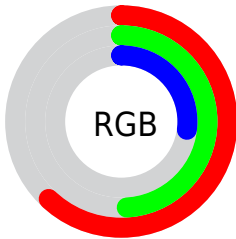
Format	Color
RYB	122, 157, 69
Decimal	10320965
CIELab	54.04, 5.96, 34.59
CIELCh	54, 35.095, 80.223
Yxy	22.0131, 0.4193, 0.4161
Android (android.graphics.Color)	4288511045 (0xFF9D7C45)
YUV	127.5970, -28.8883, 25.7864
Hunter-Lab	46.9181, 2.3018, 21.8362

Details

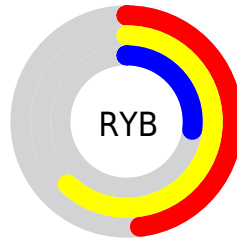
The XYZ color **22.1865, 22.0131, 8.7098** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.2912, 13.2018, 33.7459**, and the grayscale version is **20.4665, 21.5323, 23.4487**.

A 20% lighter version of the original color is **46.5867, 46.6787, 24.0073**, and **8.2544, 7.9736, 1.8631** is the 20% darker color. If you saturate the color by 10%, you get **21.0465, 20.4125, 6.2354**, and if you desaturate by 10%, it is **23.5006, 23.7555, 11.8789**.

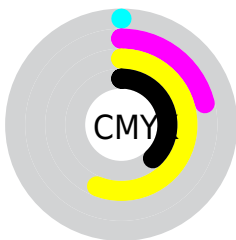
Distribution



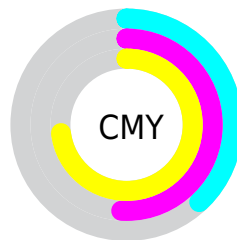
- Red (62%)
- Green (49%)
- Blue (27%)



- Red (48%)
- Yellow (62%)
- Blue (27%)



- Cyan (0%)
- Magenta (21%)
- Yellow (56%)
- Black (38%)



- Cyan (38%)
- Magenta (51%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1865, 22.0131, 8.7098 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 22.1865, 22.0131, 8.7098 by changing the saturation by 10% instead.

■ 22.1865, 22.0131,
8.7098

■ 22.1865, 22.0131,
8.7098

256.1328,
262.6147, 191.3357

■ 14.1114, 13.8665,
4.4582

■ 46.5306, 46.7676,
23.9074

■ 8.2804, 8.0279,
1.8799

■ 63.5303, 64.1444,
35.6904

■ 4.3282, 4.1128,
0.4799

■ 84.2356, 85.3667,
50.8209

■ 1.8894, 1.7369,
0.0000

■ 109.0117,
110.8189, 69.7176

■ 0.5707, 0.4474,
0.0000

■ 138.2242,
140.8854, 92.7988

■ 0.0000, 0.0000,
0.0000

172.2383,

175.9506, 120.4832

211.4194,
216.3989, 153.1893

■ 22.1865, 22.0131,
8.7098

■ 22.1865, 22.0131,
8.7098

■ 21.0465, 20.4125,
6.2354

■ 23.5006, 23.7555,
11.8789

■ 20.0677, 18.9448,
4.3992

■ 24.9973, 25.6418,
15.7906

■ 19.2380, 17.6047,
3.1382

■ 26.6861, 27.6778,
20.4898

■ 18.5397, 16.3839,
2.3633

■ 28.5756, 29.8680,
26.0176

■ 18.2846, 15.9281,
2.1107

■ 30.6736, 32.2167,
32.4123

■ 32.9877, 34.7279,
39.7095

■ 35.5247, 37.4056,
47.9432

■ 38.2915, 40.2534,
57.1453

■ 41.2944, 43.2749,
67.3463

Harmonies

Analogous

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



25.9471, 22.0131, 11.2283



22.1865, 22.0131, 8.7098



18.5005, 22.0131, 9.2209

Triad

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



22.1865, 22.0131, 8.7098



14.7956, 22.0131, 31.9421



27.0465, 22.0131, 39.9787

Complementary

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



22.1865, 22.0131, 8.7098



13.2912, 13.2018, 33.7459

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.



23.5478, 22.0131, 49.4110



22.1865, 22.0131, 8.7098



16.5930, 22.0131, 43.8830

Square

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



22.1865, 22.0131, 8.7098



14.5244, 22.0131, 20.5921



19.7080, 22.0131, 51.0232



28.9687, 22.0131, 27.6952

Rectangle

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



22.1865, 22.0131, 8.7098



16.5557, 22.0131, 11.2914



19.7080, 22.0131, 51.0232



25.9973, 22.0131, 43.7268

Sweetspot

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



22.1870, 22.0142, 8.7102



50.7234, 52.9741, 45.2454



18.4677, 12.3985, 14.1819



11.0213, 11.4959, 9.5411



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.



22.1870, 22.0142, 8.7102



37.2751, 35.9475, 10.3346



25.1161, 30.7220, 10.2367



6.9610, 7.3019, 7.0282



14.8868, 13.0093, 1.7264



0.3057, 0.3117, 0.0440

Inverse Universe

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



13.2912, 13.2018, 33.7459



19.7815, 18.6556, 59.6850



11.4608, 8.3645, 32.9087



6.4784, 6.8225, 8.3821



6.2408, 4.5732, 26.4610



0.1506, 0.1599, 0.4862

Previews

White Background



This preview shows how the XYZ color 22.1865, 22.0131, 8.7098 looks on a white background.

Color Contrast Check

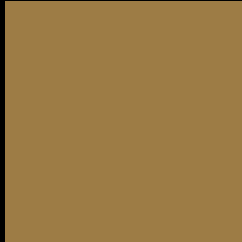
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1865, 22.0131, 8.7098 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 22.1865, 22.0131, 8.7098

Background



This preview shows how black text looks on a background with the XYZ color 22.1865, 22.0131, 8.7098.



This preview shows how white text looks on a background with the XYZ color 22.1865, 22.0131,

8.7098.

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

22.1865, 22.0131, 8.7098

Protanopia

20.2753, 22.1710, 9.1720

Deuteranopia

22.4552, 21.9665, 8.6867



Tritanopia

25.0275, 21.9103, 22.6487

Trichromacy



Original Color

22.1865, 22.0131, 8.7098

Protanomaly

20.8573, 22.0836, 8.9576

Deuteranomaly

22.2577, 21.8647, 8.6774

Tritanomaly

23.7635, 21.9264, 16.3444

Monochromacy



Original Color

22.1865, 22.0131, 8.7098

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8907, 21.7292, 17.0030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1865, 22.0131, 8.7098 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(157, 124, 69)` looks like.

```
.text, #text, p{  
    color:rgb(157, 124, 69)  
}
```

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(157, 124, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 124, 69) }
```

Border

The CSS property to change the border of an element to XYZ 22.1865, 22.0131, 8.7098 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(157, 124, 69) }
```


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

```
.border{ border-color:rgb(157, 124, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 124, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 124, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 124, 69);  
box-shadow:4px 4px 4px 4px rgb(157, 124,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1865, 22.0131, 8.7098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 124, 69) }
```

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

```
.background{ background-color: rgb(157,  
124, 69) }
```

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