

Converting Colors

XYZ(22.2219, 21.8615, 17.3353)

Have a look what the booklet for
XYZ(22.2219, 21.8615, 17.3353)
contains.

XYZ(22.1272, 21.7939, 17.2278)	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(22.1272, 21.7939,
17.2278)**

Conversions

Conversions Part 1

Format	Color
Hex	947C6C
RGB	148, 124, 108
RGB Percent	58%, 49%, 42%
CMY	0.4196, 0.5137, 0.5765
CMYK	0.00, 0.16, 0.27, 0.42
HSL	24°, 16%, 50%
HSV	24°, 27%, 58%
XYZ	22.1272, 21.7939, 17.2278
YIQ	129.3520, 19.4400, 0.1120

Conversions

Conversions Part 2

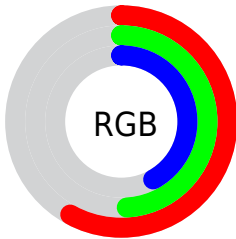
Format	Color
R_{YB}	148, 135, 108
Decimal	9731180
CIE _{Lab}	53.81, 6.69, 12.18
CIE _{LCh}	54, 13.901, 61.229
Yxy	21.7939, 0.3619, 0.3564
Android (android.graphics.Color)	4287921260 (0xFF947C6C)
YUV	129.3520, -10.5265, 16.3543
Hunter-Lab	46.6839, 2.9083, 10.7989

Details

The XYZ color **22.1272, 21.7939, 17.2278** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7808, 21.8283, 31.1879**, and the grayscale version is **21.0212, 22.1160, 24.0843**.

A 20% lighter version of the original color is **46.6088, 46.6440, 39.3475**, and **8.2881, 7.9105, 5.5049** is the 20% darker color. If you saturate the color by 10%, you get **20.3425, 19.3797, 13.0712**, and if you desaturate by 10%, it is **24.1470, 24.4640, 22.1230**.

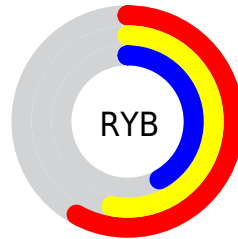
Distribution



Red (58%)

Green (49%)

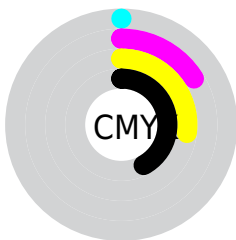
Blue (42%)



Red (58%)

Yellow (53%)

Blue (42%)

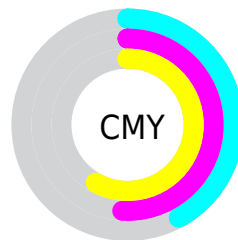


Cyan (0%)

Magenta (16%)

Yellow (27%)

Black (42%)



Cyan (42%)

Magenta (51%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1272, 21.7939, 17.2278 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 22.1272, 21.7939, 17.2278 by changing the saturation by 10% instead.

■ 22.1272, 21.7939,
17.2278

■ 22.1272, 21.7939,
17.2278

255.8297,
261.4681, 248.5700

■ 14.0675, 13.7055,
10.2334

■ 46.4334, 46.4051,
39.5130

■ 8.2497, 7.9161,
5.4463

■ 63.4107, 63.6968,
55.6409

■ 4.3083, 4.0413,
2.4482

■ 84.0912, 84.8250,
75.6504

■ 1.8780, 1.6967,
0.8125

■ 108.8403,
110.1741, 99.9599

■ 0.5640, 0.4215,
0.0000

138.0233,
140.1286, 128.9881

■ 0.0000, 0.0000,
0.0000

172.0057,

175.0728, 163.1535

211.1527,
215.3912, 202.8746

■ 22.1272, 21.7939,
17.2278

■ 22.1272, 21.7939,
17.2278

■ 20.3425, 19.3797,
13.0712

■ 24.1470, 24.4640,
22.1230

■ 18.7818, 17.2105,
9.6154

■ 26.4090, 27.3945,
27.7894

■ 17.4356, 15.2789,
6.8213

■ 28.9221, 30.5938,
34.2592

■ 16.2929, 13.5758,
4.6454

■ 31.6942, 34.0688,
41.5623

■ 15.3417, 12.0916,
3.0388

■ 34.7328, 37.8261,
49.7273

■ 14.5682, 10.8158,
1.9450

■ 38.0452, 41.8721,
58.7810

■ 13.9515, 9.7346,
1.2700

■ 41.6382, 46.2132,
68.7496

■ 13.7876, 9.4456,
1.0965

■ 45.5186, 50.8552,
79.6577

■ 49.6927, 55.8040,
91.5292

Harmonies

Analogous

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



23.2676, 21.7939, 19.7172



22.1272, 21.7939, 17.2278



20.6529, 21.7939, 16.4223

Triad

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



22.1272, 21.7939, 17.2278



17.9747, 21.7939, 23.9066



22.2388, 21.7939, 31.4778

Complementary

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



22.1272, 21.7939, 17.2278



19.7808, 21.8283, 31.1879

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.



20.7761, 21.7939, 32.9357



22.1272, 21.7939, 17.2278



18.3552, 21.7939, 28.2530

Square

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



22.1272, 21.7939, 17.2278



18.2985, 21.7939, 19.9884



19.3631, 21.7939, 31.6912



23.3342, 21.7939, 27.9113

Rectangle

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



22.1272, 21.7939, 17.2278



19.6922, 21.7939, 16.8612



19.3631, 21.7939, 31.6912



21.7715, 21.7939, 32.2487

Sweetspot

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



22.1278, 21.7949, 17.2283



46.1228, 47.7264, 47.8296



21.7404, 18.6873, 24.2912



10.3965, 10.7245, 10.5839



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.



22.1278, 21.7949, 17.2283



37.2254, 36.0098, 26.1253



24.8930, 27.3254, 18.1500



5.9799, 6.1735, 6.1169



11.8021, 8.1186, 0.9450



0.1720, 0.1544, 0.0207

Inverse Universe

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



19.7808, 21.8283, 31.1879



32.4209, 36.0741, 54.6888



17.3241, 16.9149, 30.3690



5.7714, 6.1768, 7.3578



7.6293, 7.9534, 25.0641



0.1223, 0.1552, 0.3164

Previews

White Background



This preview shows how the XYZ color 22.1272, 21.7939, 17.2278 looks on a white background.

Color Contrast Check

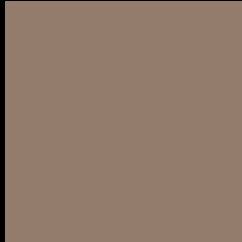
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1272, 21.7939, 17.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

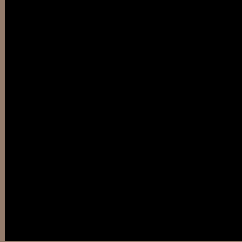
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1272, 21.7939, 17.2278

Background



This preview shows how black text looks on a background with the XYZ color 22.1272, 21.7939, 17.2278.



This preview shows how white text looks on a background with the XYZ color 22.1272, 21.7939,

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

22.1272, 21.7939, 17.2278

Protanopia

20.5253, 21.7150, 17.8615

Deuteranopia

22.1272, 21.7939, 17.2278



Tritanopia

23.6291, 21.8658, 24.0942

Trichromacy



Original Color

22.1272, 21.7939, 17.2278

Protanomaly

21.1649, 21.8583, 17.5716

Deuteranomaly

22.1272, 21.7939, 17.2278

Tritanomaly

23.0501, 21.8082, 21.4069

Monochromacy



Original Color

22.1272, 21.7939, 17.2278

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1939, 21.7935, 21.1787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1272, 21.7939, 17.2278 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(148, 124, 108)` looks like.

```
.text, #text, p{  
    color:rgb(148, 124, 108)  
}
```

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(148, 124, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 124, 108) }
```

Border

The CSS property to change the border of an element to XYZ 22.1272, 21.7939, 17.2278 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(148, 124, 108) }
```


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

```
.border{ border-color:rgb(148, 124, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 124, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 124, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 124, 108);  
box-shadow:4px 4px 4px 4px rgb(148, 124,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1272, 21.7939, 17.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 124, 108) }
```

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

```
.background{ background-color: rgb(148,  
124, 108) }
```

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