

Converting Colors

XYZ(22.2944, 21.5263, 10.8261)

Have a look what the booklet for
XYZ(22.2944, 21.5263, 10.8261)
contains.

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Color

**XYZ(22.2272, 21.4369,
10.7508)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7951
RGB	157, 121, 81
RGB Percent	62%, 47%, 32%
CMY	0.3843, 0.5255, 0.6823
CMYK	0.00, 0.23, 0.48, 0.38
HSL	32°, 32%, 47%
HSV	32°, 48%, 62%
XYZ	22.2272, 21.4369, 10.7508
YIQ	127.2040, 34.2960, -4.8080

Conversions

Conversions Part 2

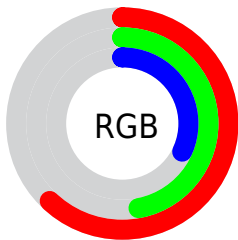
Format	Color
R_{YB}	149, 157, 81
Decimal	10320209
CIE _{Lab}	53.42, 8.81, 27.26
CIE _{LCh}	53, 28.645, 72.098
Yxy	21.4369, 0.4085, 0.3940
Android (android.graphics.Color)	4288510289 (0xFF9D7951)
YUV	127.2040, -22.7786, 26.1311
Hunter-Lab	46.3000, 4.6673, 18.6429

Details

The XYZ color **22.2272, 21.4369, 10.7508** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.8402, 16.9056, 34.3265**, and the grayscale version is **20.3110, 21.3687, 23.2706**.

A 20% lighter version of the original color is **46.4809, 45.6720, 27.8385**, and **8.2794, 7.7700, 2.6535** is the 20% darker color. If you saturate the color by 10%, you get **20.8362, 19.4906, 7.7108**, and if you desaturate by 10%, it is **23.8251, 23.5790, 14.5318**.

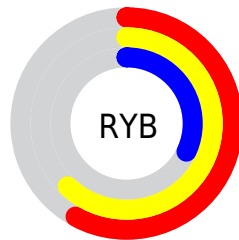
Distribution



Red (62%)

Green (47%)

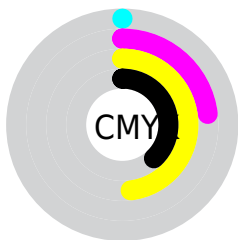
Blue (32%)



Red (58%)

Yellow (62%)

Blue (32%)

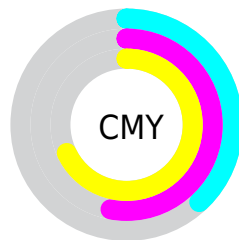


Cyan (0%)

Magenta (23%)

Yellow (48%)

Black (38%)



Cyan (38%)

Magenta (53%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2272, 21.4369, 10.7508 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 22.2272, 21.4369, 10.7508 by changing the saturation by 10% instead.

■ 22.2272, 21.4369,
10.7508

■ 22.2272, 21.4369,
10.7508

256.3406,
259.5913, 206.6255

■ 14.1415, 13.4437,
5.7875

■ 46.5973, 45.8135,
27.8280

■ 8.3015, 7.7348,
2.6496

■ 63.6124, 62.9658,
40.7789

■ 4.3419, 3.9257,
0.9179

■ 84.3346, 83.9399,
57.2295

■ 1.8973, 1.6321,
0.0000

■ 109.1293,
109.1202, 77.5982

■ 0.5753, 0.3791,
0.0000

■ 138.3620,
138.8911, 102.3036

■ 0.0000, 0.0000,
0.0000

172.3978,

173.6370, 131.7643

211.6022,
213.7423, 166.3987

■ 22.2272, 21.4369,
10.7508

■ 22.2272, 21.4369,
10.7508

■ 20.8362, 19.4906,
7.7108

■ 23.8251, 23.5790,
14.5318

■ 19.6394, 17.7302,
5.3599

■ 25.6384, 25.9204,
19.0985

■ 18.6250, 16.1492,
3.6414

■ 27.6770, 28.4681,
24.4932

■ 17.7788, 14.7391,
2.4888

■ 29.9496, 31.2280,
30.7550

■ 17.0750, 13.4869,
1.7751

■ 32.4646, 34.2055,
37.9206

■ 16.9703, 13.2995,
1.6726

■ 35.2296, 37.4059,
46.0244

■ 38.2522, 40.8342,
55.0989

■ 41.5393, 44.4955,
65.1753

■ 45.0979, 48.3943,
76.2831

Harmonies

Analogous

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



25.0324, 21.4369, 13.8130



22.2272, 21.4369, 10.7508



19.1733, 21.4369, 10.4910

Triad

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



22.2272, 21.4369, 10.7508



15.1727, 21.4369, 27.0322



24.5548, 21.4369, 38.1137

Complementary

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



22.2272, 21.4369, 10.7508



15.8402, 16.9056, 34.3265

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.



21.6262, 21.4369, 43.8594



22.2272, 21.4369, 10.7508



16.3346, 21.4369, 36.4739

Square

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



22.2272, 21.4369, 10.7508



15.2990, 21.4369, 18.5597



18.6289, 21.4369, 43.1940



26.4656, 21.4369, 28.8805

Rectangle

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



22.2272, 21.4369, 10.7508



17.4215, 21.4369, 11.8287



18.6289, 21.4369, 43.1940



23.6451, 21.4369, 40.6094

Sweetspot

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



22.2277, 21.4379, 10.7512



50.7902, 52.4836, 47.1918



20.1013, 14.3548, 18.7681



11.0067, 11.3414, 9.9228



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.



22.2277, 21.4379, 10.7512



37.1522, 34.6711, 13.4707



27.2009, 31.7493, 12.4794



6.9075, 7.1950, 7.0104



13.8204, 10.8763, 1.3709



0.2893, 0.2789, 0.0386

Inverse Universe

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



15.8402, 16.9056, 34.3265



24.3389, 25.5859, 60.7825



12.5313, 10.1252, 33.1921



6.5308, 6.9274, 8.3996



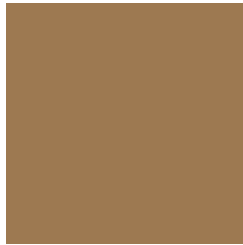
6.9879, 6.0674, 26.7101



0.1670, 0.1927, 0.4916

Previews

White Background



This preview shows how the XYZ color 22.2272, 21.4369, 10.7508 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 22.2272, 21.4369, 10.7508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

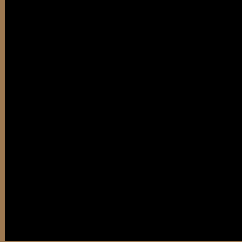
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2272, 21.4369, 10.7508

Background



This preview shows how black text looks on a background with the XYZ color 22.2272, 21.4369, 10.7508.



This preview shows how white text looks on a background with the XYZ color 22.2272, 21.4369,

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

22.2272, 21.4369, 10.7508

Protanopia

19.9669, 21.5674, 11.4981

Deuteranopia

21.7712, 21.3832, 10.7645



Tritanopia

24.5814, 21.5231, 21.9276

Trichromacy



Original Color

22.2272, 21.4369, 10.7508

Protanomaly

20.7490, 21.4028, 11.2212

Deuteranomaly

21.9623, 21.4817, 10.7734

Tritanomaly

23.6824, 21.5132, 17.0916

Monochromacy



Original Color

22.2272, 21.4369, 10.7508

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.6293, 21.1963, 17.7559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2272, 21.4369, 10.7508 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, 121, 81)` looks like.

```
.text, #text, p{  
    color:rgb(157, 121, 81)  
}
```

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, 121, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 121, 81) }
```

Border

The CSS property to change the border of an element to XYZ 22.2272, 21.4369, 10.7508 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, 121, 81) }
```


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

```
.border{ border-color:rgb(157, 121, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 121, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 121, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 121, 81);  
box-shadow:4px 4px 4px 4px rgb(157, 121,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2272, 21.4369, 10.7508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 121, 81) }
```

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

```
.background{ background-color: rgb(157,  
121, 81) }
```

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](#).

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