

Converting Colors

XYZ(22.3943, 22.2103, 13.1873)

Have a look what the booklet for
XYZ(22.3943, 22.2103, 13.1873)
contains.

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Color

**XYZ(22.4023, 22.2122,
13.2319)**

Conversions

Conversions Part 1

Format	Color
Hex	997D5C
RGB	153, 125, 92
RGB Percent	60%, 49%, 36%
CMY	0.4000, 0.5098, 0.6392
CMYK	0.00, 0.18, 0.40, 0.40
HSL	32°, 25%, 48%
HSV	32°, 40%, 60%
XYZ	22.4023, 22.2122, 13.2319
YIQ	129.6100, 27.2810, -4.3270

Conversions

Conversions Part 2

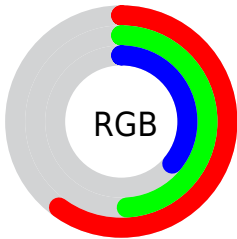
Format	Color
R_YB	144, 153, 92
Decimal	10059100
CIE _{Lab}	54.25, 6.05, 22.06
CIE _{LCh}	54, 22.873, 74.670
Yxy	22.2122, 0.3873, 0.3840
Android (android.graphics.Color)	4288249180 (0xFF997D5C)
YUV	129.6100, -18.5417, 20.5130
Hunter-Lab	47.1298, 2.3695, 16.3450

Details

The XYZ color **22.4023, 22.2122, 13.2319** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.8798, 18.0078, 32.7234**, and the grayscale version is **21.1375, 22.2382, 24.2175**.

A 20% lighter version of the original color is **46.8907, 47.2339, 32.6322**, and **8.3331, 8.0755, 3.7043** is the 20% darker color. If you saturate the color by 10%, you get **20.9422, 20.2565, 9.7721**, and if you desaturate by 10%, it is **24.0615, 24.3498, 17.4250**.

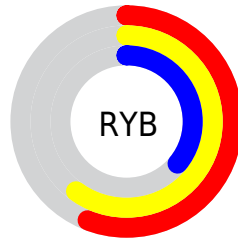
Distribution



Red (60%)

Green (49%)

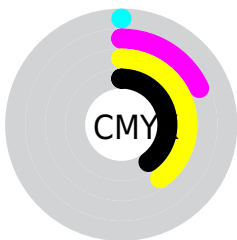
Blue (36%)



Red (56%)

Yellow (60%)

Blue (36%)

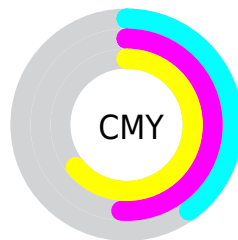


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (40%)



Cyan (40%)

Magenta (51%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4023, 22.2122, 13.2319 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 22.4023, 22.2122, 13.2319 by changing the saturation by 10% instead.

■ 22.4023, 22.2122,
13.2319

■ 22.4023, 22.2122,
13.2319

257.2331,
263.6524, 223.6584

■ 14.2711, 14.0129,
7.4558

■ 46.8839, 47.0965,
32.4171

■ 8.3924, 8.1296,
3.6660

■ 63.9650, 64.5502,
46.6632

■ 4.4009, 4.1780,
1.4440

■ 84.7601, 85.8576,
64.5698

■ 1.9314, 1.7736,
0.1757

■ 109.6346,
111.4030, 86.5554

■ 0.5950, 0.4707,
0.0000

138.9538,
141.5708, 113.0385

■ 0.0000, 0.0000,
0.0000

173.0830,

176.7453, 144.4377

212.3877,
217.3111, 181.1714

■ 22.4023, 22.2122,
13.2319

■ 22.4023, 22.2122,
13.2319

■ 20.9422, 20.2565,
9.7721

■ 24.0615, 24.3498,
17.4250

■ 19.6701, 18.4736,
7.0008

■ 25.9268, 26.6716,
22.3900

■ 18.5761, 16.8583,
4.8702

■ 28.0070, 29.1840,
28.1643

■ 17.6485, 15.4039,
3.3257

■ 30.3098, 31.8918,
34.7826

■ 16.8739, 14.1025,
2.3036

■ 32.8424, 34.7997,
42.2773

■ 16.2214, 12.9394,
1.6484

■ 35.6118, 37.9125,
50.6793

■ 16.2132, 12.9249,
1.6402

■ 38.6244, 41.2344,
60.0180

■ 41.8868, 44.7697,
70.3214

■ 45.4049, 48.5224,
81.6162

Harmonies

Analogous

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



24.7004, 22.2122, 15.7752



22.4023, 22.2122, 13.2319



19.9235, 22.2122, 13.2046

Triad

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



22.4023, 22.2122, 13.2319



16.8138, 22.2122, 27.8237



24.6571, 22.2122, 35.2965

Complementary

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



22.4023, 22.2122, 13.2319



16.8798, 18.0078, 32.7234

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.



22.3469, 22.2122, 40.0089



22.4023, 22.2122, 13.2319



17.8892, 22.2122, 35.1529

Square

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



22.4023, 22.2122, 13.2319



16.8261, 22.2122, 20.7407



19.8723, 22.2122, 39.9517



26.0702, 22.2122, 27.9916

Rectangle

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



22.4023, 22.2122, 13.2319



18.5059, 22.2122, 14.5762



19.8723, 22.2122, 39.9517



23.9520, 22.2122, 37.2946

Sweetspot

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



22.4029, 22.2132, 13.2324



49.2392, 51.1679, 47.8551



20.3828, 15.7943, 19.8928



10.7752, 11.1815, 10.2949



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.4029, 22.2132, 13.2324



37.7313, 36.5861, 18.0181



26.0795, 30.1315, 14.5669



6.4717, 6.7485, 6.5673



13.4335, 10.7495, 1.3668



0.2372, 0.2334, 0.0326

Inverse Universe

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



16.8798, 18.0078, 32.7234



26.4121, 27.9721, 57.9791



14.1967, 12.3360, 31.7700



6.1064, 6.4701, 7.8560



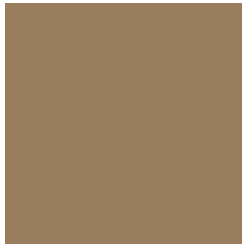
6.6064, 5.6096, 25.6423



0.1346, 0.1555, 0.3953

Previews

White Background



This preview shows how the XYZ color 22.4023, 22.2122, 13.2319 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 22.4023, 22.2122, 13.2319 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 22.4023, 22.2122, 13.2319

Background



This preview shows how black text looks on a background with the XYZ color 22.4023, 22.2122, 13.2319.



This preview shows how white text looks on a background with the XYZ color 22.4023, 22.2122,

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

22.4023, 22.2122, 13.2319

Protanopia

20.8182, 22.3489, 13.8062

Deuteranopia

22.4658, 22.0580, 13.1988



Tritanopia

24.5835, 22.1860, 23.7555

Trichromacy



Original Color

22.4023, 22.2122, 13.2319

Protanomaly

21.3720, 22.2484, 13.5239

Deuteranomaly

22.4658, 22.0580, 13.1988

Tritanomaly

23.8222, 22.2479, 19.5617

Monochromacy



Original Color

22.4023, 22.2122, 13.2319

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3528, 22.1026, 19.6638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4023, 22.2122, 13.2319 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(153, 125, 92)` looks like.

```
.text, #text, p{  
    color:rgb(153, 125, 92)  
}
```

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(153, 125, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 125, 92) }
```

Border

The CSS property to change the border of an element to XYZ 22.4023, 22.2122, 13.2319 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(153, 125, 92) }
```


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

```
.border{ border-color:rgb(153, 125, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 125, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 125, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 125, 92);  
box-shadow:4px 4px 4px 4px rgb(153, 125,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4023, 22.2122, 13.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 125, 92) }
```

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

```
.background{ background-color: rgb(153,  
125, 92) }
```

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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