

Converting Colors

XYZ(19.9048, 22.2170, 13.8292)

Have a look what the booklet for
XYZ(19.9048, 22.2170, 13.8292)
contains.

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Color

**XYZ(19.9445, 22.2972,
13.8423)**

Conversions

Conversions Part 1

Format	Color
Hex	85845E
RGB	133, 132, 94
RGB Percent	52%, 52%, 37%
CMY	0.4784, 0.4823, 0.6314
CMYK	0.00, 0.01, 0.29, 0.48
HSL	58°, 17%, 45%
HSV	58°, 29%, 52%
XYZ	19.9445, 22.2972, 13.8423
YIQ	127.9670, 12.7940, -11.6060

Conversions

Conversions Part 2

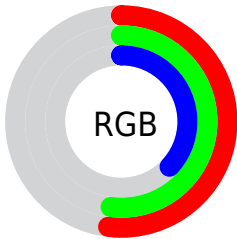
Format	Color
R_{YB}	95, 133, 94
Decimal	8750174
CIE _{Lab}	54.34, -6.07, 20.71
CIE _{LCh}	54, 21.585, 106.343
Yxy	22.2972, 0.3556, 0.3976
Android (android.graphics.Color)	4286940254 (0xFF85845E)
YUV	127.9670, -16.7457, 4.4139
Hunter-Lab	47.2199, -7.2409, 15.6733

Details

The XYZ color **19.9445, 22.2972, 13.8423** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.9419, 12.2573, 23.8741**, and the grayscale version is **20.5599, 21.6307, 23.5558**.

A 20% lighter version of the original color is **42.9533, 47.3071, 33.6554**, and **7.1736, 8.2307, 3.8999** is the 20% darker color. If you saturate the color by 10%, you get **19.3526, 21.9876, 10.9500**, and if you desaturate by 10%, it is **20.6405, 22.6503, 17.2773**.

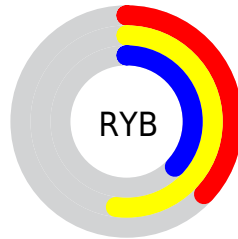
Distribution



Red (52%)

Green (52%)

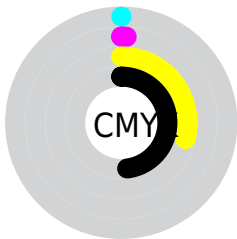
Blue (37%)



Red (37%)

Yellow (52%)

Blue (37%)

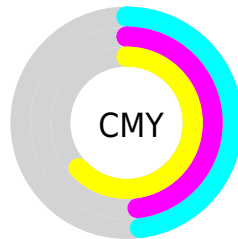


Cyan (0%)

Magenta (1%)

Yellow (29%)

Black (48%)



Cyan (48%)

Magenta (48%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9445, 22.2972, 13.8423 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 19.9445, 22.2972, 13.8423 by changing the saturation by 10% instead.

■ 19.9445, 22.2972,
13.8423

■ 19.9445, 22.2972,
13.8423

244.4538,
264.0944, 227.6418

■ 12.4627, 14.0754,
7.8736

■ 42.8288, 47.2367,
33.5220

■ 7.1341, 8.1732,
3.9275

■ 58.9620, 64.7233,
48.0701

■ 3.5932, 4.2059,
1.5857

■ 78.7097, 86.0669,
66.3151

■ 1.4747, 1.7894,
0.2806

■ 102.4373,
111.6519, 88.6754

■ 0.3085, 0.4806,
0.0000

130.5102,
141.8628, 115.5698

■ 0.0000, 0.0000,
0.0000

163.2937,

177.0839, 147.4166

201.1531,
217.6996, 184.6344

■ 19.9445, 22.2972,
13.8423

■ 19.9445, 22.2972,
13.8423

■ 19.3526, 21.9876,
10.9500

■ 20.6405, 22.6503,
17.2773

■ 18.8579, 21.7163,
8.5713

■ 21.4439, 23.0457,
21.2793

■ 18.4552, 21.4821,
6.6763

■ 22.3598, 23.4865,
25.8731

■ 18.1382, 21.2824,
5.2316

■ 23.3925, 23.9741,
31.0813

■ 17.8997, 21.1143,
4.1996

■ 24.5461, 24.5104,
36.9254

■ 17.7314, 20.9745,
3.5366

■ 25.8246, 25.0969,
43.4261

■ 17.6105, 20.8540,
3.1229

■ 27.2315, 25.7350,
50.6028

■ 17.6026, 20.8459,
3.0959

■ 28.7706, 26.4262,
58.4743

■ 30.4451, 27.1718,
67.0587

Harmonies

Analogous

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



22.2795, 22.2972, 13.7344



19.9445, 22.2972, 13.8423



18.0839, 22.2972, 16.3836

Triad

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



19.9445, 22.2972, 13.8423



18.2192, 22.2972, 34.9158



25.9024, 22.2972, 27.4688

Complementary

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



19.9445, 22.2972, 13.8423



12.9419, 12.2573, 23.8741

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.



24.6391, 22.2972, 34.3711



19.9445, 22.2972, 13.8423



20.1420, 22.2972, 39.1783

Square

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



19.9445, 22.2972, 13.8423



17.1394, 22.2972, 28.1113



22.4922, 22.2972, 38.9623



25.8396, 22.2972, 20.8098

Rectangle

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



19.9445, 22.2972, 13.8423



17.3114, 22.2972, 19.4391



22.4922, 22.2972, 38.9623



25.6149, 22.2972, 29.8595

Sweetspot

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



19.9451, 22.2982, 13.8428



38.4198, 41.2790, 38.1976



15.7550, 13.8239, 12.7363



8.6122, 9.2786, 8.3884



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.9451, 22.2982, 13.8428



35.0103, 39.5632, 21.3285



17.4520, 21.2146, 13.7650



5.0298, 5.4032, 5.0072



16.7677, 19.8579, 2.9492



0.0589, 0.0704, 0.0105

Inverse Universe

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



12.9419, 12.2573, 23.8741



20.4012, 18.6178, 42.2567



14.9442, 13.1570, 23.9423



4.4433, 4.5622, 5.8472



4.0687, 1.6852, 21.2475



0.0147, 0.0070, 0.0738

Previews

White Background



This preview shows how the XYZ color 19.9445, 22.2972, 13.8423 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 19.9445, 22.2972, 13.8423 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

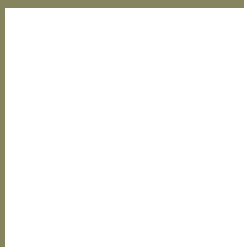
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9445, 22.2972, 13.8423

Background



This preview shows how black text looks on a background with the XYZ color 19.9445, 22.2972, 13.8423.



This preview shows how white text looks on a background with the XYZ color 19.9445, 22.2972,

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

19.9445, 22.2972, 13.8423

Protanopia

20.7736, 22.3310, 13.5714

Deuteranopia

22.6454, 22.1299, 14.1443



Tritanopia

22.5145, 22.3596, 26.4217

Trichromacy



Original Color

19.9445, 22.2972, 13.8423

Protanomaly

20.4086, 22.3413, 13.5926

Deuteranomaly

21.5090, 22.1160, 13.9616

Tritanomaly

21.4548, 22.3152, 21.2656

Monochromacy



Original Color

19.9445, 22.2972, 13.8423

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2086, 21.7073, 19.6478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9445, 22.2972, 13.8423 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(133, 132, 94)` looks like.

```
.text, #text, p{  
    color:rgb(133, 132, 94)  
}
```

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(133, 132, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 132, 94) }
```

Border

The CSS property to change the border of an element to XYZ 19.9445, 22.2972, 13.8423 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(133, 132, 94) }
```


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

```
.border{ border-color:rgb(133, 132, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 132, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 132, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 132, 94);  
box-shadow:4px 4px 4px 4px rgb(133, 132,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9445, 22.2972, 13.8423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 132, 94) }
```

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

```
.background{ background-color: rgb(133,  
132, 94) }
```

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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