

Converting Colors

XYZ(21.9030, 22.6805, 22.2594)

Have a look what the booklet for
XYZ(21.9030, 22.6805, 22.2594)
contains.

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Color

**XYZ(21.9372, 22.7389,
22.3016)**

Conversions

Conversions Part 1

Format	Color
Hex	89827C
RGB	137, 130, 124
RGB Percent	54%, 51%, 49%
CMY	0.4627, 0.4902, 0.5137
CMYK	0.00, 0.05, 0.09, 0.46
HSL	28°, 5%, 51%
HSV	28°, 9%, 54%
XYZ	21.9372, 22.7389, 22.3016
YIQ	131.4090, 6.0980, -0.3820

Conversions

Conversions Part 2

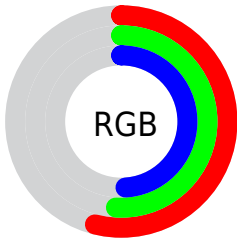
Format	Color
R_{YB}	137, 135, 124
Decimal	9011836
CIE Lab	54.80, 1.52, 4.18
CIE LCh	55, 4.448, 70.016
Yxy	22.7389, 0.3275, 0.3395
Android (android.graphics.Color)	4287201916 (0xFF89827C)
YUV	131.4090, -3.6526, 4.9033
Hunter-Lab	47.6853, -1.3320, 5.6508

Details

The XYZ color **21.9372, 22.7389, 22.3016** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.9436, 22.3232, 26.8719**, and the grayscale version is **21.7314, 22.8631, 24.8979**.

A 20% lighter version of the original color is **46.0052, 47.9487, 47.9046**, and **8.1429, 8.4191, 7.8525** is the 20% darker color. If you saturate the color by 10%, you get **20.1846, 20.5251, 17.7358**, and if you desaturate by 10%, it is **23.8818, 25.1435, 27.5259**.

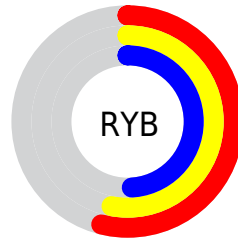
Distribution



Red (54%)

Green (51%)

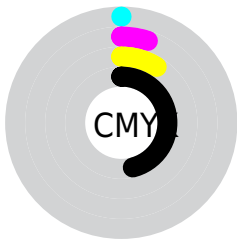
Blue (49%)



Red (54%)

Yellow (53%)

Blue (49%)

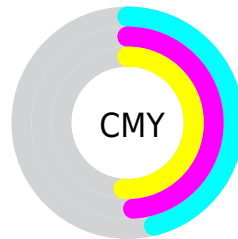


Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (46%)



Cyan (46%)

Magenta (49%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9372, 22.7389, 22.3016 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 21.9372, 22.7389, 22.3016 by changing the saturation by 10% instead.

■ 21.9372, 22.7389,
22.3016

■ 21.9372, 22.7389,
22.3016

254.8567,
266.3811, 277.1220

■ 13.9271, 14.4008,
13.8782

■ 46.1218, 47.9642,
48.1525

■ 8.1513, 8.4000,
7.8982

■ 63.0270, 65.6203,
66.4172

■ 4.2446, 4.3519,
3.9431

■ 83.6280, 87.1512,
88.7994

■ 1.8414, 1.8723,
1.5942

108.2901,
112.9412, 115.7176

■ 0.5424, 0.5317,
0.2866

137.3787,
143.3748, 147.5905

■ 0.0000, 0.0000,
0.0000

171.2590,

178.8364, 184.8365

210.2966,
219.7104, 227.8741

■ 21.9372, 22.7389,
22.3016

■ 21.9372, 22.7389,
22.3016

■ 20.1846, 20.5251,
17.7358

■ 23.8818, 25.1435,
27.5259

■ 18.6157, 18.4941,
13.8005

■ 26.0225, 27.7405,
33.4321

■ 17.2243, 16.6418,
10.4679

■ 28.3657, 30.5356,
40.0444

■ 16.0032, 14.9629,
7.7077

■ 30.9171, 33.5329,
47.3854

■ 14.9445, 13.4516,
5.4865

■ 33.6818, 36.7368,
55.4764

■ 14.0398, 12.1018,
3.7678

■ 36.6650, 40.1513,
64.3382

■ 13.2795, 10.9069,
2.5103

■ 39.8717, 43.7804,
73.9904

■ 12.6528, 9.8596,
1.6661

■ 43.3065, 47.6279,
84.4523

■ 12.1336, 8.9464,
1.1074

■ 46.9741, 51.6975,
95.7423

Harmonies

Analogous

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



22.3445, 22.7389, 23.0591



21.9372, 22.7389, 22.3016



21.4487, 22.7389, 22.1883

Triad

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



21.9372, 22.7389, 22.3016



20.6954, 22.7389, 25.2324



22.2259, 22.7389, 26.8898

Complementary

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



21.9372, 22.7389, 22.3016



20.9436, 22.3232, 26.8719

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.



21.7774, 22.7389, 27.5206



21.9372, 22.7389, 22.3016



20.8970, 22.7389, 26.5400

Square

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



21.9372, 22.7389, 22.3016



20.7367, 22.7389, 23.8454



21.2913, 22.7389, 27.3902



22.5129, 22.7389, 25.6953

Rectangle

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



21.9372, 22.7389, 22.3016



21.1434, 22.7389, 22.4886



21.2913, 22.7389, 27.3902



22.0888, 22.7389, 27.1768

Sweetspot

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



21.9378, 22.7399, 22.3021



41.4824, 43.4480, 45.8087



21.6313, 21.3767, 24.5123



9.2456, 9.6727, 10.1164



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



21.9378, 22.7399, 22.3021



38.7114, 40.0030, 38.4205



22.8083, 24.4808, 22.5922



5.2108, 5.4043, 5.3209



11.2910, 8.3164, 1.0101



0.0894, 0.0840, 0.0115

Inverse Universe

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



20.9436, 22.3232, 26.8719



36.6261, 39.1289, 48.0054



20.1172, 20.6703, 26.5964



4.9830, 5.3089, 6.3679



6.4827, 6.2358, 22.9076



0.0577, 0.0708, 0.1571

Previews

White Background



This preview shows how the XYZ color 21.9372, 22.7389, 22.3016 looks on a white background.

Color Contrast Check

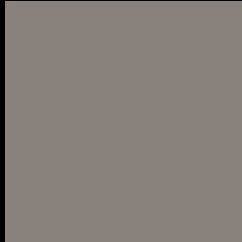
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9372, 22.7389, 22.3016 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

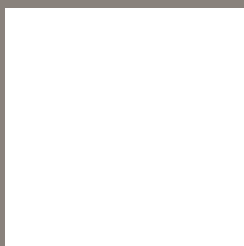
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9372, 22.7389, 22.3016

Background



This preview shows how black text looks on a background with the XYZ color 21.9372, 22.7389, 22.3016.



This preview shows how white text looks on a background with the XYZ color 21.9372, 22.7389,

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

21.9372, 22.7389, 22.3016

Protanopia

21.7461, 22.8387, 22.3310

Deuteranopia

23.1451, 22.7704, 22.5773



Tritanopia

22.9541, 22.7623, 27.2285

Trichromacy



Original Color

21.9372, 22.7389, 22.3016

Protanomaly

21.9077, 22.9221, 22.3385

Deuteranomaly

22.7485, 22.7587, 22.5959

Tritanomaly

22.5651, 22.7972, 25.4013

Monochromacy



Original Color

21.9372, 22.7389, 22.3016

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.6854, 22.7777, 23.6757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9372, 22.7389, 22.3016 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(137, 130, 124)` looks like.

```
.text, #text, p{  
    color:rgb(137, 130, 124)  
}
```

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(137, 130, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 130, 124) }
```

Border

The CSS property to change the border of an element to XYZ 21.9372, 22.7389, 22.3016 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(137, 130, 124) }
```


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

```
.border{ border-color:rgb(137, 130, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 130, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 130, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 130, 124);  
box-shadow:4px 4px 4px 4px rgb(137, 130,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9372, 22.7389, 22.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 130, 124) }
```

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

```
.background{ background-color: rgb(137,  
130, 124) }
```

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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