

Converting Colors

XYZ(21.6900, 22.3446, 21.9289)

Have a look what the booklet for
XYZ(21.6900, 22.3446, 21.9289)
contains.

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Color

**XYZ(21.7419, 22.4489,
21.9260)**

Conversions

Conversions Part 1

Format	Color
Hex	89817B
RGB	137, 129, 123
RGB Percent	54%, 51%, 48%
CMY	0.4627, 0.4941, 0.5176
CMYK	0.00, 0.06, 0.10, 0.46
HSL	26°, 6%, 51%
HSV	26°, 10%, 54%
XYZ	21.7419, 22.4489, 21.9260
YIQ	130.7080, 6.6940, -0.1700

Conversions

Conversions Part 2

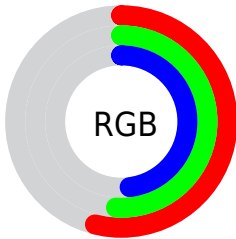
Format	Color
R _Y B	137, 134, 123
Decimal	9011579
CIE Lab	54.50, 1.91, 4.32
CIE LCh	55, 4.727, 66.168
Yxy	22.4489, 0.3288, 0.3395
Android (android.graphics.Color)	4287201659 (0xFF89817B)
YUV	130.7080, -3.8000, 5.5181
Hunter-Lab	47.3803, -1.0052, 5.7288

Details

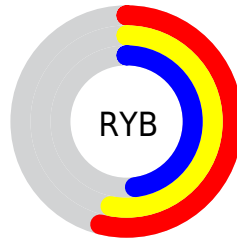
The XYZ color **21.7419, 22.4489, 21.9260** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.7999, 22.2493, 26.8654**, and the grayscale version is **21.4812, 22.5999, 24.6113**.

A 20% lighter version of the original color is **45.7010, 47.4982, 47.3168**, and **8.0352, 8.2580, 7.6490** is the 20% darker color. If you saturate the color by 10%, you get **19.9521, 20.1469, 17.3902**, and if you desaturate by 10%, it is **23.7320, 24.9588, 27.1213**.

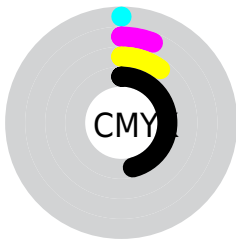
Distribution



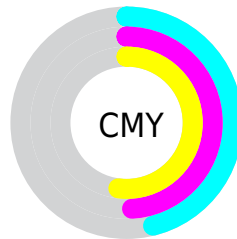
- Red (54%)
- Green (51%)
- Blue (48%)



- Red (54%)
- Yellow (53%)
- Blue (48%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (46%)



- Cyan (46%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7419, 22.4489, 21.9260 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 21.7419, 22.4489, 21.9260 by changing the saturation by 10% instead.

■ 21.7419, 22.4489,
21.9260

■ 21.7419, 22.4489,
21.9260

253.8532,
264.8817, 275.1005

■ 13.7829, 14.1871,
13.6047

■ 45.8011, 47.4868,
47.5243

■ 8.0505, 8.2509,
7.7107

■ 62.6320, 65.0317,
65.6384

■ 4.1794, 4.2559,
3.8253

■ 83.1509, 86.4398,
87.8538

■ 1.8041, 1.8177,
1.5300

107.7232,
112.0955, 114.5892

■ 0.5201, 0.4982,
0.2401

136.7142,
142.3831, 146.2630

■ 0.0000, 0.0000,
0.0000

170.4893,

177.6871, 183.2938

209.4139,
218.3918, 226.1001

■ 21.7419, 22.4489,
21.9260

■ 21.7419, 22.4489,
21.9260

■ 19.9521, 20.1469,
17.3902

■ 23.7320, 24.9588,
27.1213

■ 18.3540, 18.0444,
13.4858

■ 25.9268, 27.6790,
32.9998

■ 16.9411, 16.1366,
10.1846

■ 28.3331, 30.6155,
39.5859

■ 15.7057, 14.4174,
7.4561

■ 30.9567, 33.7732,
46.9021

■ 14.6398, 12.8804,
5.2666

■ 33.8032, 37.1567,
54.9702

■ 13.7342, 11.5188,
3.5791

■ 36.8778, 40.7708,
63.8109

■ 12.9792, 10.3251,
2.3519

■ 40.1858, 44.6197,
73.4441

■ 12.3632, 9.2913,
1.5362

■ 43.7322, 48.7078,
83.8891

■ 11.8673, 8.4197,
0.9997

■ 47.5218, 53.0394,
95.1644

Harmonies

Analogous

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



22.1510, 22.4489, 22.7983



21.7419, 22.4489, 21.9260



21.2302, 22.4489, 21.7159

Triad

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



21.7419, 22.4489, 21.9260



20.3622, 22.4489, 24.7507



21.9301, 22.4489, 26.8184

Complementary

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



21.7419, 22.4489, 21.9260



20.7999, 22.2493, 26.8654

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.



21.4442, 22.4489, 27.3895



21.7419, 22.4489, 21.9260



20.5432, 22.4489, 26.1650

Square

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



21.7419, 22.4489, 21.9260



20.4390, 22.4489, 23.3087



20.9372, 22.4489, 27.1457



22.2609, 22.4489, 25.6136

Rectangle

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



21.7419, 22.4489, 21.9260



20.9009, 22.4489, 21.9717



20.9372, 22.4489, 27.1457



21.7792, 22.4489, 27.0930

Sweetspot

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



21.7425, 22.4499, 21.9265



41.4479, 43.3789, 45.7972



21.5078, 21.1278, 24.4767



9.2360, 9.6535, 10.1132



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.



21.7425, 22.4499, 21.9265



38.2519, 39.3298, 37.5094



22.6726, 24.3101, 22.2365



5.1977, 5.3782, 5.3165



11.0657, 7.8658, 0.9350



0.0876, 0.0804, 0.0109

Inverse Universe

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



20.7999, 22.2493, 26.8654



36.2533, 38.9043, 47.9817



19.9126, 20.4745, 26.5696



4.9962, 5.3353, 6.3723



6.7731, 6.8165, 23.0044



0.0596, 0.0744, 0.1577

Previews

White Background



This preview shows how the XYZ color 21.7419, 22.4489, 21.9260 looks on a white background.

Color Contrast Check

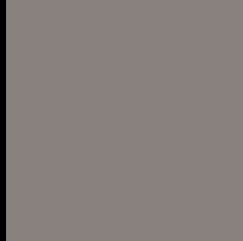
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7419, 22.4489, 21.9260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

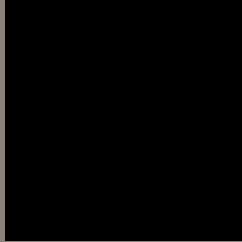
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7419, 22.4489, 21.9260

Background



This preview shows how black text looks on a background with the XYZ color 21.7419, 22.4489, 21.9260.



This preview shows how white text looks on a background with the XYZ color 21.7419, 22.4489,

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

21.7419, 22.4489, 21.9260

Protanopia

21.3893, 22.4637, 21.9475

Deuteranopia

22.7760, 22.3967, 22.1914



Tritanopia

22.7522, 22.4739, 26.8056

Trichromacy



Original Color

21.7419, 22.4489, 21.9260

Protanomaly

21.5495, 22.5462, 21.9550

Deuteranomaly

22.3828, 22.3848, 22.2098

Tritanomaly

22.3653, 22.5076, 24.9954

Monochromacy



Original Color

21.7419, 22.4489, 21.9260

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5518, 22.5103, 23.6311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7419, 22.4489, 21.9260 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, 129, 123)` looks like.

```
.text, #text, p{  
    color:rgb(137, 129, 123)  
}
```

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, 129, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 129, 123) }
```

Border

The CSS property to change the border of an element to XYZ 21.7419, 22.4489, 21.9260 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, 129, 123) }
```


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

```
.border{ border-color:rgb(137, 129, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 129, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 129, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 129, 123);  
box-shadow:4px 4px 4px 4px rgb(137, 129,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7419, 22.4489, 21.9260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 129, 123) }
```

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

```
.background{ background-color: rgb(137,  
129, 123) }
```

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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