

Converting Colors

XYZ(20.0148, 22.6002, 22.2021)

Have a look what the booklet for
XYZ(20.0148, 22.6002, 22.2021)
contains.

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Color

**XYZ(19.9854, 22.5452,
22.0372)**

Conversions

Conversions Part 1

Format	Color
Hex	79867B
RGB	121, 134, 123
RGB Percent	47%, 53%, 48%
CMY	0.5255, 0.4745, 0.5176
CMYK	0.10, 0.00, 0.08, 0.47
HSL	129°, 5%, 50%
HSV	129°, 10%, 53%
XYZ	19.9854, 22.5452, 22.0372
YIQ	128.8590, -4.2170, -6.1770

Conversions

Conversions Part 2

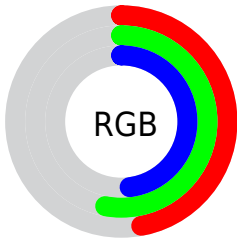
Format	Color
R_{YB}	121, 132, 134
Decimal	7964283
CIE _{Lab}	54.60, -6.99, 4.30
CIE _{LCh}	55, 8.207, 148.405
Yxy	22.5452, 0.3095, 0.3492
Android (android.graphics.Color)	4286154363 (0xFF79867B)
YUV	128.8590, -2.8885, -6.8923
Hunter-Lab	47.4818, -7.9613, 5.7196

Details

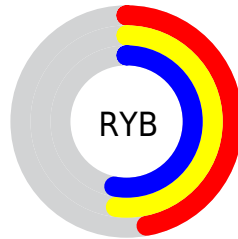
The XYZ color **19.9854, 22.5452, 22.0372** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.8346, 20.4096, 24.6722**, and the grayscale version is **20.8283, 21.9129, 23.8632**.

A 20% lighter version of the original color is **42.7418, 47.5200, 47.4770**, and **7.0788, 8.2128, 7.6907** is the 20% darker color. If you saturate the color by 10%, you get **17.5672, 21.3766, 18.4310**, and if you desaturate by 10%, it is **22.7479, 23.8832, 26.0897**.

Distribution



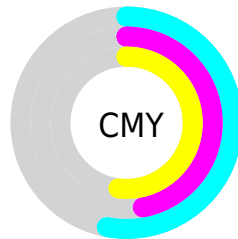
- Red (47%)
- Green (53%)
- Blue (48%)



- Red (47%)
- Yellow (52%)
- Blue (53%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)



- Cyan (53%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9854, 22.5452, 22.0372 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 19.9854, 22.5452, 22.0372 by changing the saturation by 10% instead.

■ 19.9854, 22.5452,
22.0372

■ 19.9854, 22.5452,
22.0372

244.6711,
265.3804, 275.7003

■ 12.4926, 14.2581,
13.6857

■ 42.8968, 47.6455,
47.7105

■ 7.1547, 8.3004,
7.7661

■ 59.0462, 65.2274,
65.8692

■ 3.6062, 4.2877,
3.8600

■ 78.8118, 86.6763,
88.1342

■ 1.4819, 1.8358,
1.5489

102.5591,
112.3767, 114.9239

■ 0.3134, 0.5093,
0.2539

130.6533,
142.7129, 146.6568

■ 0.0000, 0.0000,
0.0000

163.4598,

178.0693, 183.7514

201.3439,
218.8303, 226.6264

■ 19.9854, 22.5452,
22.0372

■ 19.9854, 22.5452,
22.0372

■ 17.5672, 21.3766,
18.4310

■ 22.7479, 23.8832,
26.0897

■ 15.4781, 20.3677,
15.2543

■ 25.8657, 25.3938,
30.6016

■ 13.7043, 19.5126,
12.4917


■ 29.3515, 27.0840,
35.5870


■ 12.2302, 18.8035,
10.1261


■ 33.2167, 28.9595,
41.0593


■ 11.0392, 18.2323,
8.1391


■ 37.4724, 31.0256,
47.0312


 10.1129, 17.7898,
6.5111


 42.1291, 33.2876,
53.5148


 9.4305, 17.4659,
5.2206

 47.1970, 35.7503,
60.5222

 8.9682, 17.2487,
4.2439

 52.6859, 38.4187,
68.0646

 8.6654, 17.1076,
3.5525

 58.6052, 41.2973,
76.1532

Harmonies

Analogous

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



20.6143, 22.5452, 20.4341



19.9854, 22.5452, 22.0372



19.7417, 22.5452, 24.4099

Triad

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



19.9854, 22.5452, 22.0372



21.3803, 22.5452, 29.8535



22.9901, 22.5452, 22.2608

Complementary

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



19.9854, 22.5452, 22.0372



20.8346, 20.4096, 24.6722

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.



23.2088, 22.5452, 24.6864



19.9854, 22.5452, 22.0372



22.2639, 22.5452, 29.1798

Square

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



19.9854, 22.5452, 22.0372



20.5329, 22.5452, 29.0249



22.9395, 22.5452, 27.2424



22.3498, 22.5452, 20.5567

Rectangle

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



19.9854, 22.5452, 22.0372



19.8252, 22.5452, 26.1492



22.9395, 22.5452, 27.2424



23.1161, 22.5452, 23.0133

Sweetspot

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



19.9860, 22.5462, 22.0377



38.3723, 41.2519, 43.4752



21.5008, 23.3414, 21.4616



8.5628, 9.2539, 9.6743



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.



19.9860, 22.5462, 22.0377



34.0636, 39.1667, 37.1252



20.4034, 22.7131, 24.2356



4.6434, 5.2156, 5.1332



8.1156, 16.0291, 3.3283



0.0298, 0.0562, 0.0205

Inverse Universe

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



20.8346, 20.4096, 24.6722



35.9213, 34.4889, 42.8928



20.4065, 20.2384, 22.4182



4.8279, 4.7509, 5.7062



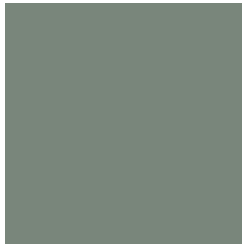
12.0305, 5.8765, 15.2647



0.0437, 0.0212, 0.0637

Previews

White Background



This preview shows how the XYZ color 19.9854, 22.5452, 22.0372 looks on a white background.

Color Contrast Check

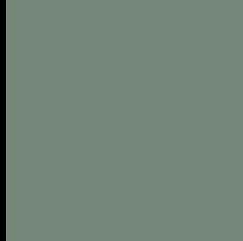
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9854, 22.5452, 22.0372 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

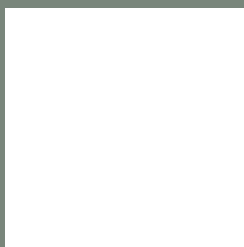
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9854, 22.5452, 22.0372

Background



This preview shows how black text looks on a background with the XYZ color 19.9854, 22.5452, 22.0372.



This preview shows how white text looks on a background with the XYZ color 19.9854, 22.5452,

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

19.9854, 22.5452, 22.0372

Protanopia

21.4255, 22.4966, 21.3022

Deuteranopia

22.8396, 22.4221, 22.5262



Tritanopia

21.3110, 22.4707, 28.8053

Trichromacy



Original Color

19.9854, 22.5452, 22.0372

Protanomaly

20.8351, 22.3836, 21.6347

Deuteranomaly

21.6417, 22.3900, 22.2498

Tritanomaly

20.7928, 22.4628, 26.1615

Monochromacy



Original Color

19.9854, 22.5452, 22.0372

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5512, 22.2005, 23.2806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9854, 22.5452, 22.0372 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(121, 134, 123)` looks like.

```
.text, #text, p{  
    color:rgb(121, 134, 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(121, 134, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 134, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.9854, 22.5452, 22.0372 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(121, 134, 123) }
```


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

```
.border{ border-color:rgb(121, 134, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 134, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 134, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 134, 123);  
box-shadow:4px 4px 4px 4px rgb(121, 134,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9854, 22.5452, 22.0372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 134, 123) }
```

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

```
.background{ background-color: rgb(121,  
134, 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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