

Converting Colors

XYZ(19.9495, 22.2394, 22.0672)

Have a look what the booklet for
XYZ(19.9495, 22.2394, 22.0672)
contains.

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Color

**XYZ(19.9887, 22.3427,
21.9979)**

Conversions

Conversions Part 1

Format	Color
Hex	7A857B
RGB	122, 133, 123
RGB Percent	48%, 52%, 48%
CMY	0.5216, 0.4784, 0.5176
CMYK	0.08, 0.00, 0.08, 0.48
HSL	125°, 4%, 50%
HSV	125°, 8%, 52%
XYZ	19.9887, 22.3427, 21.9979
YIQ	128.5710, -3.3460, -5.4420

Conversions

Conversions Part 2

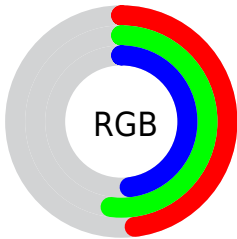
Format	Color
R_{YB}	122, 132, 133
Decimal	8029563
CIE Lab	54.39, -6.06, 4.00
CIE LCh	54, 7.264, 146.547
Yxy	22.3427, 0.3107, 0.3473
Android (android.graphics.Color)	4286219643 (0xFF7A857B)
YUV	128.5710, -2.7465, -5.7628
Hunter-Lab	47.2681, -7.2351, 5.4949

Details

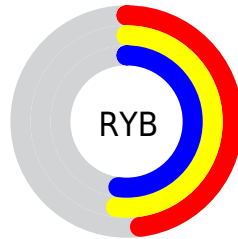
The XYZ color **19.9887, 22.3427, 21.9979** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.7981, 20.5721, 24.7055**, and the grayscale version is **20.7270, 21.8064, 23.7471**.

A 20% lighter version of the original color is **42.7523, 47.2116, 47.4169**, and **7.1540, 8.2515, 7.6942** is the 20% darker color. If you saturate the color by 10%, you get **17.5221, 21.1539, 18.1724**, and if you desaturate by 10%, it is **22.8078, 23.7037, 26.3289**.

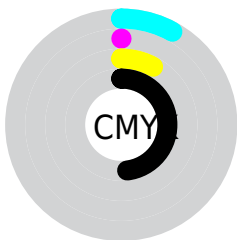
Distribution



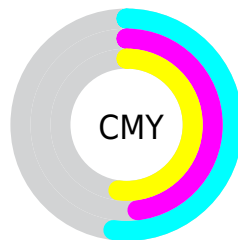
- Red (48%)
- Green (52%)
- Blue (48%)



- Red (48%)
- Yellow (52%)
- Blue (52%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)



- Cyan (52%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9887, 22.3427, 21.9979 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 19.9887, 22.3427, 21.9979 by changing the saturation by 10% instead.

■ 19.9887, 22.3427,
21.9979

■ 19.9887, 22.3427,
21.9979

244.6887,
264.3307, 275.4885

■ 12.4950, 14.1089,
13.6571

■ 42.9023, 47.3118,
47.6447

■ 7.1564, 8.1965,
7.7465

■ 59.0530, 64.8158,
65.7877

■ 3.6073, 4.2209,
3.8477

■ 78.8201, 86.1788,
88.0352

■ 1.4824, 1.7979,
1.5422

102.5689,
111.7850, 114.8056

■ 0.3138, 0.4859,
0.2491

130.6648,
142.0190, 146.5177

■ 0.0000, 0.0000,
0.0000

163.4732,

177.2650, 183.5898

201.3593,
217.9074, 226.4405

■ 19.9887, 22.3427,
21.9979

■ 19.9887, 22.3427,
21.9979

■ 17.5221, 21.1539,
18.1724

■ 22.8078, 23.7037,
26.3289

■ 15.3924, 20.1277,
14.8327

■ 25.9907, 25.2404,
31.1813

■ 13.5855, 19.2579,
11.9596

■ 29.5502, 26.9598,
36.5723

■ 12.0856, 18.5369,
9.5324

■ 33.4982, 28.8676,
42.5177

■ 10.8755, 17.9561,
7.5288

■ 37.8459, 30.9692,
49.0326

■ 9.9365, 17.5066,
5.9245

■ 42.6042, 33.2700,
56.1318

■ 9.2475, 17.1780,
4.6928

■ 47.7834, 35.7750,
63.8292

■ 8.7844, 16.9584,
3.8035

■ 53.3937, 38.4890,
72.1385

■ 8.4972, 16.8230,
3.2212

■ 59.4445, 41.4169,
81.0729

Harmonies

Analogous

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



20.5616, 22.3427, 20.6251



19.9887, 22.3427, 21.9979



19.7496, 22.3427, 24.0652

Triad

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



19.9887, 22.3427, 21.9979



21.1443, 22.3427, 28.9535



22.6300, 22.3427, 22.4268

Complementary

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



19.9887, 22.3427, 21.9979



20.7981, 20.5721, 24.7055

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.



22.7953, 22.3427, 24.5915



19.9887, 22.3427, 21.9979



21.9251, 22.3427, 28.4482

Square

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



19.9887, 22.3427, 21.9979



20.4063, 22.3427, 28.1571



22.5343, 22.3427, 26.8158



22.0880, 22.3427, 20.8617

Rectangle

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



19.9887, 22.3427, 21.9979



19.8072, 22.3427, 25.5928



22.5343, 22.3427, 26.8158



22.7320, 22.3427, 23.1044

Sweetspot

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



19.9893, 22.3437, 21.9984



38.8624, 41.4909, 44.1132



21.4301, 23.0936, 21.7406



8.7718, 9.3555, 9.9636



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.



19.9893, 22.3437, 21.9984



34.8826, 39.5708, 37.9833



20.3380, 22.4831, 23.8347



4.6322, 5.2111, 5.0746



8.0546, 16.0047, 3.0068



0.0289, 0.0559, 0.0159

Inverse Universe

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



20.7981, 20.5721, 24.7055



36.6502, 35.6988, 43.8999



20.4368, 20.4276, 22.8030



4.8401, 4.7557, 5.7704



12.4972, 6.0632, 17.7223



0.0446, 0.0215, 0.0684

Previews

White Background



This preview shows how the XYZ color 19.9887, 22.3427, 21.9979 looks on a white background.

Color Contrast Check

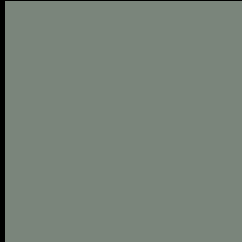
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9887, 22.3427, 21.9979 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

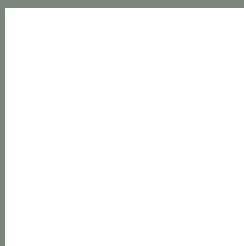
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9887, 22.3427, 21.9979

Background



This preview shows how black text looks on a background with the XYZ color 19.9887, 22.3427, 21.9979.



This preview shows how white text looks on a background with the XYZ color 19.9887, 22.3427,

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

19.9887, 22.3427, 21.9979

Protanopia

21.1330, 22.1493, 21.2506

Deuteranopia

22.6641, 22.3317, 22.5180



Tritanopia

21.2478, 22.2483, 28.3738

Trichromacy



Original Color

19.9887, 22.3427, 21.9979

Protanomaly

20.7014, 22.1162, 21.5901

Deuteranomaly

21.6417, 22.3900, 22.2498

Tritanomaly

20.7316, 22.2389, 25.7541

Monochromacy



Original Color

19.9887, 22.3427, 21.9979

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4176, 21.9332, 23.2361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9887, 22.3427, 21.9979 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(122, 133, 123)` looks like.

```
.text, #text, p{  
    color:rgb(122, 133, 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(122, 133, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 133, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.9887, 22.3427, 21.9979 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(122, 133, 123) }
```


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

```
.border{ border-color:rgb(122, 133, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 133, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 133, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 133, 123);  
box-shadow:4px 4px 4px 4px rgb(122, 133,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9887, 22.3427, 21.9979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 133, 123) }
```

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

```
.background{ background-color: rgb(122,  
133, 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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