

Converting Colors

XYZ(19.6764, 21.9746, 21.8588)

Have a look what the booklet for
XYZ(19.6764, 21.9746, 21.8588)
contains.

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Color

**XYZ(19.7116, 21.9975,
21.9459)**

Conversions

Conversions Part 1

Format	Color
Hex	79847B
RGB	121, 132, 123
RGB Percent	47%, 52%, 48%
CMY	0.5255, 0.4823, 0.5176
CMYK	0.08, 0.00, 0.07, 0.48
HSL	131°, 4%, 50%
HSV	131°, 8%, 52%
XYZ	19.7116, 21.9975, 21.9459
YIQ	127.6850, -3.6670, -5.1310

Conversions

Conversions Part 2

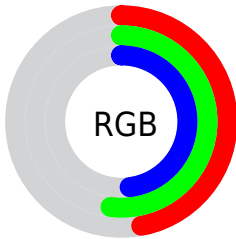
Format	Color
R_{YB}	121, 130, 132
Decimal	7963771
CIE _{Lab}	54.02, -5.87, 3.47
CIE _{LCh}	54, 6.819, 149.423
Yxy	21.9975, 0.3097, 0.3456
Android (android.graphics.Color)	4286153851 (0xFF79847B)
YUV	127.6850, -2.3097, -5.8627
Hunter-Lab	46.9015, -7.0582, 5.0884

Details

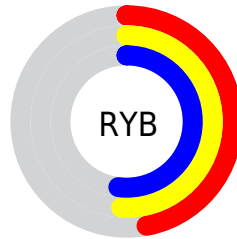
The XYZ color **19.7116, 21.9975, 21.9459** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.3832, 20.1926, 23.9435**, and the grayscale version is **20.4179, 21.4812, 23.3930**.

A 20% lighter version of the original color is **42.3204, 46.6773, 47.3365**, and **7.0018, 8.0586, 7.6650** is the 20% darker color. If you saturate the color by 10%, you get **17.3476, 20.8533, 18.4984**, and if you desaturate by 10%, it is **22.4046, 23.3039, 25.7992**.

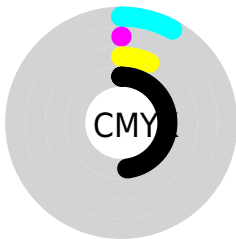
Distribution



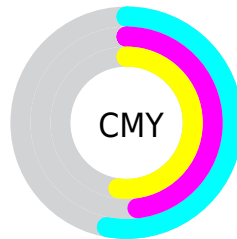
- Red (47%)
- Green (52%)
- Blue (48%)



- Red (47%)
- Yellow (51%)
- Blue (52%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7116, 21.9975, 21.9459 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 19.7116, 21.9975, 21.9459 by changing the saturation by 10% instead.

■ 19.7116, 21.9975,
21.9459

■ 19.7116, 21.9975,
21.9459

243.2130,
262.5332, 275.2079

■ 12.2926, 13.8551,
13.6192

■ 42.4408, 46.7419,
47.5576

■ 7.0169, 8.0199,
7.7206

■ 58.4817, 64.1126,
65.6797

■ 3.5191, 4.1077,
3.8315

■ 78.1273, 85.3282,
87.9040

■ 1.4338, 1.7340,
1.5334

101.7429,
110.7731, 114.6491

■ 0.2801, 0.4455,
0.2426

129.6939,
140.8316, 146.3335

■ 0.0000, 0.0000,
0.0000

162.3457,

175.8882, 183.3758

200.0636,
216.3273, 226.1944

■ 19.7116, 21.9975,
21.9459

■ 19.7116, 21.9975,
21.9459

■ 17.3476, 20.8533,
18.4984

■ 22.4046, 23.3039,
25.7992

■ 15.2982, 19.8623,
15.4421

■ 25.4368, 24.7757,
30.0694

■ 13.5504, 19.0188,
12.7636

■ 28.8200, 26.4193,
34.7690

■ 12.0900, 18.3157,
10.4482

■ 32.5650, 28.2400,
39.9096

■ 10.9012, 17.7451,
8.4801

■ 36.6823, 30.2430,
45.5023

■ 9.9670, 17.2988,
6.8427

■ 41.1817, 32.4332,
51.5578

■ 9.2682, 16.9671,
5.5176

■ 46.0728, 34.8152,
58.0864

■ 8.7828, 16.7393,
4.4850

■ 51.3647, 37.3936,
65.0981

■ 8.4633, 16.5911,
3.7215

■ 57.0665, 40.1727,
72.6027

Harmonies

Analogous

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



20.2196, 21.9975, 20.5879



19.7116, 21.9975, 21.9459



19.5228, 21.9975, 23.9107

Triad

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



19.7116, 21.9975, 21.9459



20.8937, 21.9975, 28.2429



22.1666, 21.9975, 22.0128

Complementary

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



19.7116, 21.9975, 21.9459



20.3832, 20.1926, 23.9435

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.



22.3571, 21.9975, 23.9925



19.7116, 21.9975, 21.9459



21.6118, 21.9975, 27.6630

Square

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



19.7116, 21.9975, 21.9459



20.1954, 21.9975, 27.6180



22.1518, 21.9975, 26.0758



21.6371, 21.9975, 20.6249

Rectangle

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



19.7116, 21.9975, 21.9459



19.5999, 21.9975, 25.3265



22.1518, 21.9975, 26.0758



22.2730, 21.9975, 22.6273

Sweetspot

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



19.7122, 21.9984, 21.9464



37.1461, 39.9237, 42.1410



20.9348, 22.6430, 21.3568



8.5666, 9.2554, 9.6942



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.



19.7122, 21.9984, 21.9464



33.8911, 38.3461, 37.4555



20.0554, 22.1357, 23.7537



4.6483, 5.2176, 5.1593



8.1504, 16.0430, 3.5116



0.0302, 0.0564, 0.0226

Inverse Universe

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



20.3832, 20.1926, 23.9435



35.3229, 34.4924, 41.7172



20.0342, 20.0530, 22.1059



4.8225, 4.7487, 5.6779



11.8366, 5.7990, 14.2439



0.0434, 0.0210, 0.0617

Previews

White Background



This preview shows how the XYZ color 19.7116, 21.9975, 21.9459 looks on a white background.

Color Contrast Check

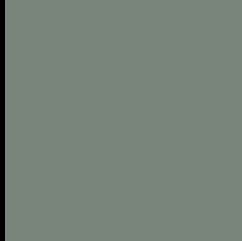
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7116, 21.9975, 21.9459 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

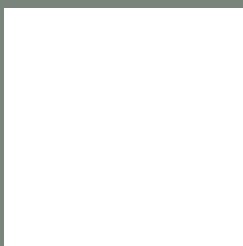
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7116, 21.9975, 21.9459

Background



This preview shows how black text looks on a background with the XYZ color 19.7116, 21.9975, 21.9459.



This preview shows how white text looks on a background with the XYZ color 19.7116, 21.9975,

21.9459.

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

19.7116, 21.9975, 21.9459

Protanopia

20.8432, 21.8054, 21.1995

Deuteranopia

22.2994, 21.9621, 22.1326



Tritanopia

21.0284, 22.1438, 27.9768

Trichromacy



Original Color

19.7116, 21.9975, 21.9459

Protanomaly

20.4164, 21.7728, 21.5389

Deuteranomaly

21.3489, 22.0445, 22.1986

Tritanomaly

20.5878, 22.1648, 25.7474

Monochromacy



Original Color

19.7116, 21.9975, 21.9459

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.0736, 21.5668, 22.8435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7116, 21.9975, 21.9459 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, 132, 123)` looks like.

```
.text, #text, p{  
    color:rgb(121, 132, 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, 132, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 132, 123) }
```

Border

The CSS property to change the border of an element to XYZ 19.7116, 21.9975, 21.9459 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, 132, 123) }
```


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

```
.border{ border-color:rgb(121, 132, 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, 132, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 132, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 132, 123);  
box-shadow:4px 4px 4px 4px rgb(121, 132,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7116, 21.9975, 21.9459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 132, 123) }
```

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

```
.background{ background-color: rgb(121,  
132, 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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