

Converting Colors

XYZ(20.9973, 17.8298, 19.3994)

Have a look what the booklet for
XYZ(20.9973, 17.8298, 19.3994)
contains.

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Color

**XYZ(20.9828, 17.7879,
19.4670)**

Conversions

Conversions Part 1

Format	Color
Hex	976876
RGB	151, 104, 118
RGB Percent	59%, 41%, 46%
CMY	0.4078, 0.5921, 0.5373
CMYK	0.00, 0.31, 0.22, 0.41
HSL	342°, 18%, 50%
HSV	342°, 31%, 59%
XYZ	20.9828, 17.7879, 19.4670
YIQ	119.6490, 23.5180, 14.3180

Conversions

Conversions Part 2

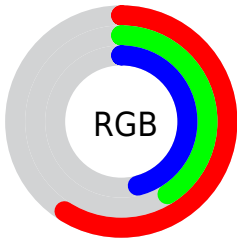
Format	Color
R_{YB}	151, 104, 118
Decimal	9922678
CIE _{Lab}	49.24, 20.99, -0.19
CIE _{LCh}	49, 20.992, 359.478
Yxy	17.7879, 0.3603, 0.3054
Android (android.graphics.Color)	4288112758 (0xFF976876)
YUV	119.6490, -0.8130, 27.4948
Hunter-Lab	42.1757, 14.9979, 2.1566

Details

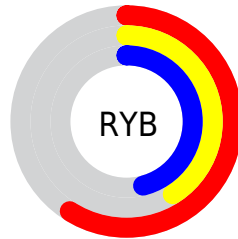
The XYZ color **20.9828, 17.7879, 19.4670** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2916, 26.8828, 27.7349**, and the grayscale version is **17.7382, 18.6620, 20.3229**.

A 20% lighter version of the original color is **44.5978, 39.8010, 43.3620**, and **7.6653, 5.9232, 6.5336** is the 20% darker color. If you saturate the color by 10%, you get **19.0018, 14.7780, 15.8708**, and if you desaturate by 10%, it is **23.3079, 21.3721, 23.5277**.

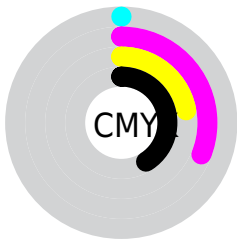
Distribution



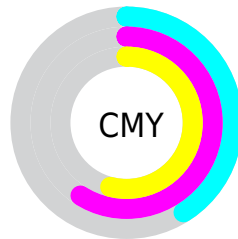
- Red (59%)
- Green (41%)
- Blue (46%)



- Red (59%)
- Yellow (41%)
- Blue (46%)



- Cyan (0%)
- Magenta (31%)
- Yellow (22%)
- Black (41%)



- Cyan (41%)
- Magenta (59%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9828, 17.7879, 19.4670 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 20.9828, 17.7879, 19.4670 by changing the saturation by 10% instead.

■ 20.9828, 17.7879,
19.4670

■ 20.9828, 17.7879,
19.4670

249.9205,
239.6728, 261.5230

■ 13.2238, 10.7978,
11.8280

■ 44.5504, 39.6756,
43.3689

■ 7.6609, 5.9310,
6.5055

■ 61.0897, 55.3420,
60.4689

■ 3.9287, 2.8032,
3.0811

■ 81.2865, 74.6692,
81.5596

■ 1.6619, 1.0299,
1.1362

■ 105.5062, 98.0418,
107.0595

■ 0.4322, 0.0000,
0.0000

134.1141,
125.8441, 137.3873

■ 0.0000, 0.0000,
0.0000

167.4755,

158.4604, 172.9615

205.9559,
196.2752, 214.2005

■ 20.9828, 17.7879,
19.4670

■ 20.9828, 17.7879,
19.4670

■ 19.0018, 14.7780,
15.8708

■ 23.3079, 21.3721,
23.5277

■ 17.3464, 12.3100,
12.7210

■ 25.9911, 25.5560,
28.0681

■ 15.9988, 10.3519,
9.9996

■ 29.0478, 30.3663,
33.1039


■ 14.9388, 8.8674,
7.6871

■ 32.4917, 35.8275,
38.6498


■ 14.1436, 7.8154,
5.7621


■ 36.3359, 41.9627,
44.7199


 13.5866, 7.1476,
4.2010

 40.5930, 48.7939,
51.3277

 13.2357, 6.7686,
3.0887

 45.2750, 56.3420,
58.4861

 50.3932, 64.6272,
66.2077

 55.9588, 73.6688,
74.5048

Harmonies

Analogous

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



20.3829, 17.7879, 25.4139



20.9828, 17.7879, 19.4670



20.4220, 17.7879, 14.5069

Triad

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



20.9828, 17.7879, 19.4670



15.1112, 17.7879, 11.3785



15.0558, 17.7879, 30.2917

Complementary

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



20.9828, 17.7879, 19.4670



21.2916, 26.8828, 27.7349

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.



13.8202, 17.7879, 25.2093



20.9828, 17.7879, 19.4670



13.8504, 17.7879, 14.3661

Square

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



20.9828, 17.7879, 19.4670



16.9414, 17.7879, 10.4222



13.3962, 17.7879, 19.2693



16.8724, 17.7879, 32.3611

Rectangle

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



20.9828, 17.7879, 19.4670



19.4883, 17.7879, 12.2390



13.3962, 17.7879, 19.2693



14.5641, 17.7879, 28.8359

Sweetspot

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



20.9833, 17.7887, 19.4674



47.5574, 47.3525, 51.9487



20.8370, 17.4458, 31.5475



10.6483, 10.5103, 11.5397



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.9833, 17.7887, 19.4674



35.1632, 28.1779, 30.5103



21.2116, 19.4793, 15.7396



6.2807, 6.2515, 6.8585



11.2712, 5.7627, 2.6873



0.1831, 0.0920, 0.1171

Inverse Universe

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



20.9833, 17.7887, 19.4674



35.1632, 28.1779, 30.5103



20.9090, 24.4051, 32.8869



6.2807, 6.2515, 6.8585



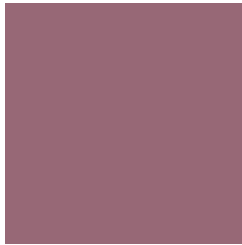
11.2712, 5.7627, 2.6873



0.1831, 0.0920, 0.1171

Previews

White Background



This preview shows how the XYZ color 20.9828, 17.7879, 19.4670 looks on a white 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

Black Background



This preview shows how the XYZ color 20.9828, 17.7879, 19.4670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

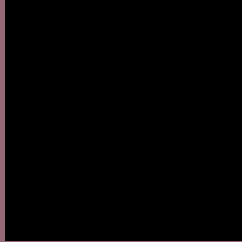
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9828, 17.7879, 19.4670

Background



This preview shows how black text looks on a background with the XYZ color 20.9828, 17.7879, 19.4670.



This preview shows how white text looks on a background with the XYZ color 20.9828, 17.7879,

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

20.9828, 17.7879, 19.4670

Protanopia

17.3991, 17.9852, 21.9565

Deuteranopia

18.2230, 17.9627, 19.0297



Tritanopia

20.6099, 17.7794, 17.9683

Trichromacy



Original Color

20.9828, 17.7879, 19.4670

Protanomaly

18.3603, 17.6606, 20.8535

Deuteranomaly

19.1033, 17.7546, 19.2497

Tritanomaly

20.7238, 17.8250, 18.5680

Monochromacy



Original Color

20.9828, 17.7879, 19.4670

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.7072, 18.1918, 19.9782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9828, 17.7879, 19.4670 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(151, 104, 118)` looks like.

```
.text, #text, p{  
    color:rgb(151, 104, 118)  
}
```

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(151, 104, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 104, 118) }
```

Border

The CSS property to change the border of an element to XYZ 20.9828, 17.7879, 19.4670 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(151, 104, 118) }
```


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

```
.border{ border-color:rgb(151, 104, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 104, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 104, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 104, 118);  
box-shadow:4px 4px 4px 4px rgb(151, 104,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9828, 17.7879, 19.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 104, 118) }
```

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

```
.background{ background-color: rgb(151,  
104, 118) }
```

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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