

Converting Colors

XYZ(17.7988, 14.9881, 21.1410)

Have a look what the booklet for
XYZ(17.7988, 14.9881, 21.1410)
contains.

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Color

**XYZ(17.8126, 14.9719,
21.0198)**

Conversions

Conversions Part 1

Format	Color
Hex	87607C
RGB	135, 96, 124
RGB Percent	53%, 38%, 49%
CMY	0.4706, 0.6235, 0.5137
CMYK	0.00, 0.29, 0.08, 0.47
HSL	317°, 17%, 45%
HSV	317°, 29%, 53%
XYZ	17.8126, 14.9719, 21.0198
YIQ	110.8530, 14.2560, 16.9760

Conversions

Conversions Part 2

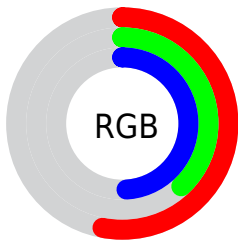
Format	Color
RYB	135, 96, 124
Decimal	8872060
CIELab	45.60, 20.63, -9.39
CIELCh	46, 22.670, 335.529
Yxy	14.9719, 0.3311, 0.2783
Android (android.graphics.Color)	4287062140 (0xFF87607C)
YUV	110.8530, 6.4815, 21.1769
Hunter-Lab	38.6935, 14.4589, -5.1231

Details

The XYZ color **17.8126, 14.9719, 21.0198** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.1423, 20.8766, 17.0896**, and the grayscale version is **15.0462, 15.8297, 17.2386**.

A 20% lighter version of the original color is **39.3558, 34.8606, 46.2495**, and **6.1146, 4.6359, 7.2292** is the 20% darker color. If you saturate the color by 10%, you get **16.4490, 12.6225, 19.4001**, and if you desaturate by 10%, it is **19.3979, 17.7494, 22.7597**.

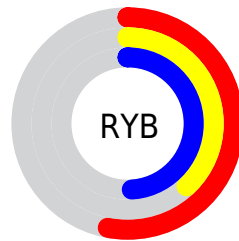
Distribution



Red (53%)

Green (38%)

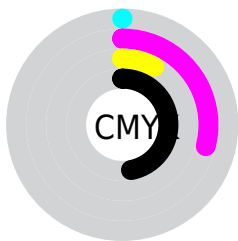
Blue (49%)



Red (53%)

Yellow (38%)

Blue (49%)

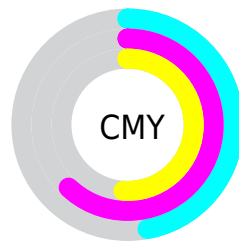


Cyan (0%)

Magenta (29%)

Yellow (8%)

Black (47%)



Cyan (47%)

Magenta (62%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8126, 14.9719, 21.0198 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 17.8126, 14.9719, 21.0198 by changing the saturation by 10% instead.

■ 17.8126, 14.9719,
21.0198

■ 17.8126, 14.9719,
21.0198

232.8787,
223.1961, 270.1682

■ 10.9144, 8.7997,
12.9471

■ 39.2503, 34.8039,
46.0017

■ 6.0762, 4.6107,
7.2618

■ 54.5206, 49.2324,
63.7480

■ 2.9326, 2.0207,
3.5455

■ 73.3122, 67.1818,
85.5559

■ 1.1182, 0.6195,
1.3795

■ 95.9906, 89.0365,
111.8439

■ 0.0403, 0.0000,
0.1256

122.9211,
115.1809, 143.0306

■ 0.0000, 0.0000,
0.0000

154.4690,

145.9994, 179.5345

190.9998,
181.8763, 221.7742

■ 17.8126, 14.9719,
21.0198

■ 17.8126, 14.9719,
21.0198

■ 16.4490, 12.6225,
19.4001

■ 19.3979, 17.7494,
22.7597

■ 15.2949, 10.6775,
17.8954

■ 21.2138, 20.9732,
24.6226

■ 14.3388, 9.1141,
16.5016

■ 23.2701, 24.6627,
26.6125

■ 13.5677, 7.9063,
15.2138

■ 25.5759, 28.8357,
28.7330

■ 12.9668, 7.0246,
14.0265

■ 28.1395, 33.5090,
30.9873

■ 12.5191, 6.4353,
12.9335

■ 30.9692, 38.6985,
33.3787

■ 12.1818, 6.0531,
11.9201

■ 34.0725, 44.4197,
35.9100

■ 12.1457, 6.0125,
11.8103

■ 37.4570, 50.6871,
38.5843

■ 41.1297, 57.5148,
41.4043

Harmonies

Analogous

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



16.4555, 14.9719, 26.3591



17.8126, 14.9719, 21.0198



18.1756, 14.9719, 15.3165

Triad

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



17.8126, 14.9719, 21.0198



13.8820, 14.9719, 7.9623



11.4652, 14.9719, 23.1521

Complementary

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



17.8126, 14.9719, 21.0198



16.1423, 20.8766, 17.0896

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.



10.9017, 14.9719, 17.3286



17.8126, 14.9719, 21.0198



12.2154, 14.9719, 9.1964

Square

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



17.8126, 14.9719, 21.0198



15.7943, 14.9719, 8.5266



11.1638, 14.9719, 12.3486



12.7732, 14.9719, 27.7692

Rectangle

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



17.8126, 14.9719, 21.0198



17.7796, 14.9719, 12.2039



11.1638, 14.9719, 12.3486



11.1880, 14.9719, 21.2276

Sweetspot

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



17.8130, 14.9726, 21.0201



37.8807, 37.3643, 43.9856



14.5482, 13.2046, 24.7037



8.6703, 8.4705, 10.0840



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.



17.8130, 14.9726, 21.0201



30.1736, 23.8306, 35.6193



16.7300, 14.5394, 15.3169



4.8034, 4.7410, 5.5768



11.2057, 5.5466, 10.9214



0.0419, 0.0205, 0.0543

Inverse Universe

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



17.8130, 14.9726, 21.0201



30.1736, 23.8306, 35.6193



17.2478, 21.3188, 22.9111



4.8034, 4.7410, 5.5768



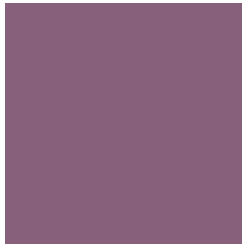
11.2057, 5.5466, 10.9214



0.0419, 0.0205, 0.0543

Previews

White Background



This preview shows how the XYZ color 17.8126, 14.9719, 21.0198 looks on a white background.

Color Contrast Check

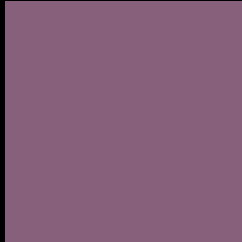
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8126, 14.9719, 21.0198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

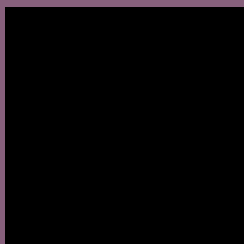
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8126, 14.9719, 21.0198

Background



This preview shows how black text looks on a background with the XYZ color 17.8126, 14.9719, 21.0198.



This preview shows how white text looks on a background with the XYZ color 17.8126, 14.9719,

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

17.8126, 14.9719, 21.0198

Protanopia

14.9479, 15.0376, 23.5874

Deuteranopia

15.2465, 14.9530, 20.4950



Tritanopia

16.7885, 14.9718, 15.9149

Trichromacy



Original Color

17.8126, 14.9719, 21.0198

Protanomaly

15.8168, 14.9038, 22.4652

Deuteranomaly

16.0723, 14.9259, 20.7728

Tritanomaly

17.1798, 14.9960, 17.6118

Monochromacy



Original Color

17.8126, 14.9719, 21.0198

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.0521, 15.5621, 18.6807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8126, 14.9719, 21.0198 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(135, 96, 124)` looks like.

```
.text, #text, p{  
    color:rgb(135, 96, 124)  
}
```

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(135, 96, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 96, 124) }
```

Border

The CSS property to change the border of an element to XYZ 17.8126, 14.9719, 21.0198 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(135, 96, 124) }
```


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

```
.border{ border-color:rgb(135, 96, 124) }
```

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

Here you see how a box with a 4 pixel rgb(135, 96, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 96, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 96, 124);  
box-shadow:4px 4px 4px 4px rgb(135, 96,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8126, 14.9719, 21.0198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 96, 124) }
```

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

```
.background{ background-color: rgb(135, 96,  
124) }
```

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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