

Converting Colors

XYZ(20.7800, 17.5547, 18.0441)

Have a look what the booklet for
XYZ(20.7800, 17.5547, 18.0441)
contains.

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Color

**XYZ(20.7798, 17.5682,
17.9186)**

Conversions

Conversions Part 1

Format	Color
Hex	986771
RGB	152, 103, 113
RGB Percent	60%, 40%, 44%
CMY	0.4039, 0.5961, 0.5569
CMYK	0.00, 0.32, 0.26, 0.40
HSL	348°, 19%, 50%
HSV	348°, 32%, 60%
XYZ	20.7798, 17.5682, 17.9186
YIQ	118.7910, 25.9940, 13.4980

Conversions

Conversions Part 2

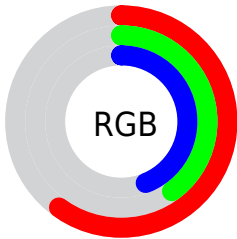
Format	Color
R_{YB}	152, 103, 113
Decimal	9987953
CIE _{Lab}	48.97, 21.18, 2.41
CIE _{LCh}	49, 21.313, 6.503
Yxy	17.5682, 0.3693, 0.3122
Android (android.graphics.Color)	4288178033 (0xFF986771)
YUV	118.7910, -2.8550, 29.1243
Hunter-Lab	41.9144, 15.1442, 3.9934

Details

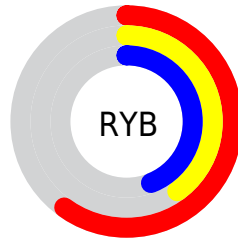
The XYZ color **20.7798, 17.5682, 17.9186** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.7050, 27.2935, 29.7168**, and the grayscale version is **17.4720, 18.3819, 20.0179**.

A 20% lighter version of the original color is **44.2450, 39.4247, 40.8751**, and **7.5759, 5.8234, 5.7258** is the 20% darker color. If you saturate the color by 10%, you get **18.7668, 14.5604, 14.1081**, and if you desaturate by 10%, it is **23.1595, 21.1637, 22.2998**.

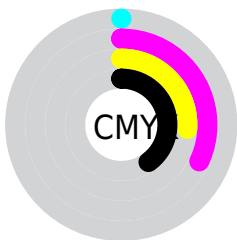
Distribution



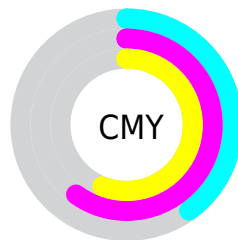
- Red (60%)
- Green (40%)
- Blue (44%)



- Red (60%)
- Yellow (40%)
- Blue (44%)



- Cyan (0%)
- Magenta (32%)
- Yellow (26%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7798, 17.5682, 17.9186 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 20.7798, 17.5682, 17.9186 by changing the saturation by 10% instead.

■ 20.7798, 17.5682,
17.9186

■ 20.7798, 17.5682,
17.9186

248.8598,
238.4258, 252.6325

■ 13.0747, 10.6404,
10.7227

■ 44.2148, 39.3002,
40.7106

■ 7.5573, 5.8256,
5.7689

■ 60.6754, 54.8731,
57.1439

■ 3.8624, 2.7393,
2.6386

■ 80.7852, 74.0966,
77.4933

■ 1.6246, 0.9972,
0.9123

■ 104.9096, 97.3551,
102.1775

■ 0.4084, 0.0000,
0.0000

133.4139,
125.0328, 131.6150

■ 0.0000, 0.0000,
0.0000

166.6635,

157.5142, 166.2243

205.0237,
195.1838, 206.4240

■ 20.7798, 17.5682,
17.9186

■ 20.7798, 17.5682,
17.9186

■ 18.7668, 14.5604,
14.1081

■ 23.1595, 21.1637,
22.2998

■ 17.1005, 12.1066,
10.8435

■ 25.9215, 25.3732,
27.2729

■ 15.7613, 10.1735,
8.0996


■ 29.0825, 30.2247,
32.8595


■ 14.7269, 8.7230,
5.8489


■ 32.6574, 35.7435,
39.0795


■ 13.9723, 7.7120,
4.0612


■ 36.6607, 41.9537,
45.9522


 13.4680, 7.0896,
2.7027

 41.1060, 48.8779,
53.4960

 13.1964, 6.7744,
1.9093

 46.0063, 56.5381,
61.7283

 51.3741, 64.9549,
70.6662

 57.2215, 74.1485,
80.3260

Harmonies

Analogous

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



20.4442, 17.5682, 23.8208



20.7798, 17.5682, 17.9186



19.9540, 17.5682, 13.3409

Triad

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



20.7798, 17.5682, 17.9186



14.5312, 17.5682, 11.6258



15.2236, 17.5682, 30.9914

Complementary

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



20.7798, 17.5682, 17.9186



21.7050, 27.2935, 29.7168

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.



13.8170, 17.5682, 26.3871



20.7798, 17.5682, 17.9186



13.4399, 17.5682, 15.0973

Square

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



20.7798, 17.5682, 17.9186



16.2700, 17.5682, 10.2017



13.1892, 17.5682, 20.3923



17.1336, 17.5682, 32.1577

Rectangle

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



20.7798, 17.5682, 17.9186



18.8918, 17.5682, 11.3916



13.1892, 17.5682, 20.3923



14.6810, 17.5682, 29.7555

Sweetspot

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



20.7803, 17.5690, 17.9190



46.8339, 46.4393, 50.0615



21.5682, 17.6648, 31.9787



10.4884, 10.3157, 11.1002



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.



20.7803, 17.5690, 17.9190



33.9466, 26.9218, 26.4759



21.7454, 20.3509, 15.6151



6.2578, 6.2423, 6.7376



11.0744, 5.6840, 1.6510



0.1766, 0.0894, 0.0826

Inverse Universe

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



20.7803, 17.5690, 17.9190



33.9466, 26.9218, 26.4759



20.3669, 23.3617, 33.1417



6.2578, 6.2423, 6.7376



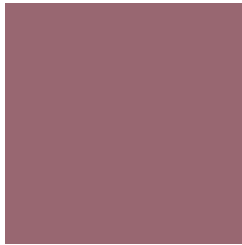
11.0744, 5.6840, 1.6510



0.1766, 0.0894, 0.0826

Previews

White Background



This preview shows how the XYZ color 20.7798, 17.5682, 17.9186 looks on a white background.

Color Contrast Check

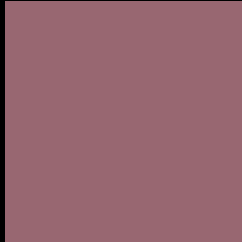
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7798, 17.5682, 17.9186 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 20.7798, 17.5682, 17.9186

Background



This preview shows how black text looks on a background with the XYZ color 20.7798, 17.5682, 17.9186.



This preview shows how white text looks on a background with the XYZ color 20.7798, 17.5682,

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

20.7798, 17.5682, 17.9186

Protanopia

17.1068, 17.6984, 20.2838

Deuteranopia

17.9803, 17.7038, 17.5084



Tritanopia

20.6684, 17.5236, 17.3320

Trichromacy



Original Color

20.7798, 17.5682, 17.9186

Protanomaly

18.1012, 17.3991, 19.2339

Deuteranomaly

18.8745, 17.5104, 17.7143

Tritanomaly

20.7238, 17.5457, 17.6236

Monochromacy



Original Color

20.7798, 17.5682, 17.9186

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.4761, 17.9199, 19.3147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7798, 17.5682, 17.9186 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(152, 103, 113)` looks like.

```
.text, #text, p{  
    color:rgb(152, 103, 113)  
}
```

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(152, 103, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 103, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.7798, 17.5682, 17.9186 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(152, 103, 113) }
```


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

```
.border{ border-color:rgb(152, 103, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 103, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 103, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 103, 113);  
box-shadow:4px 4px 4px 4px rgb(152, 103,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7798, 17.5682, 17.9186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 103, 113) }
```

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

```
.background{ background-color: rgb(152,  
103, 113) }
```

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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