

Converting Colors

XYZ(20.9912, 17.7554, 21.4483)

Have a look what the booklet for
XYZ(20.9912, 17.7554, 21.4483)
contains.

XYZ(20.9828, 17.7454, 21.3881)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9828, 17.7454,
21.3881)**

Conversions

Conversions Part 1

Format	Color
Hex	95687C
RGB	149, 104, 124
RGB Percent	58%, 41%, 49%
CMY	0.4157, 0.5921, 0.5137
CMYK	0.00, 0.30, 0.17, 0.42
HSL	333°, 18%, 50%
HSV	333°, 30%, 58%
XYZ	20.9828, 17.7454, 21.3881
YIQ	119.7350, 20.4000, 15.7600

Conversions

Conversions Part 2

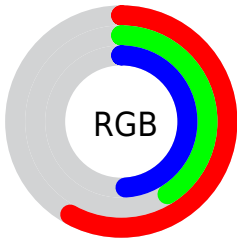
Format	Color
R_{YB}	149, 104, 124
Decimal	9791612
CIE Lab	49.19, 21.22, -3.87
CIE LCh	49, 21.566, 349.658
Yxy	17.7454, 0.3490, 0.2952
Android (android.graphics.Color)	4287981692 (0xFF95687C)
YUV	119.7350, 2.1026, 25.6654
Hunter-Lab	42.1253, 15.1924, -0.6154

Details

The XYZ color **20.9828, 17.7454, 21.3881** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.4195, 26.0233, 24.7168**, and the grayscale version is **17.7574, 18.6821, 20.3448**.

A 20% lighter version of the original color is **44.6268, 39.7489, 46.3945**, and **7.6139, 5.8777, 7.3898** is the 20% darker color. If you saturate the color by 10%, you get **19.1118, 14.8061, 18.2891**, and if you desaturate by 10%, it is **23.1638, 21.2339, 24.8077**.

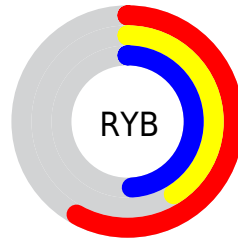
Distribution



Red (58%)

Green (41%)

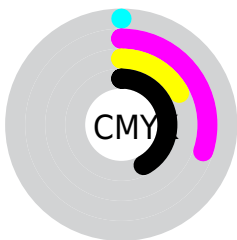
Blue (49%)



Red (58%)

Yellow (41%)

Blue (49%)

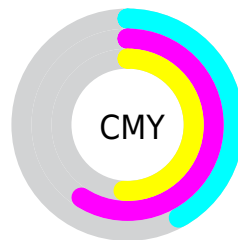


Cyan (0%)

Magenta (30%)

Yellow (17%)

Black (42%)



Cyan (42%)

Magenta (59%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9828, 17.7454, 21.3881 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, 17.7454, 21.3881 by changing the saturation by 10% instead.

■ 20.9828, 17.7454,
21.3881

■ 20.9828, 17.7454,
21.3881

249.9205,
239.4321, 272.1824

■ 13.2238, 10.7674,
13.2140

■ 44.5504, 39.6030,
46.6217

■ 7.6609, 5.9106,
7.4436

■ 61.0897, 55.2514,
64.5183

■ 3.9287, 2.7908,
3.6584

■ 81.2865, 74.5586,
86.4927

■ 1.6619, 1.0235,
1.4399

■ 105.5062, 97.9092,
112.9636

■ 0.4322, 0.0000,
0.1725

134.1141,
125.6874, 144.3495

■ 0.0000, 0.0000,
0.0000

167.4755,

158.2777, 181.0689

205.9559,
196.0644, 223.5403

■ 20.9828, 17.7454,
21.3881

■ 20.9828, 17.7454,
21.3881

■ 19.1118, 14.8061,
18.2891

■ 23.1638, 21.2339,
24.8077

■ 17.5342, 12.3853,
15.4992

■ 25.6673, 25.2955,
28.5567

■ 16.2342, 10.4529,
13.0080

■ 28.5068, 29.9555,
32.6445

■ 15.1938, 8.9746,
10.8036

■ 31.6947, 35.2371,
37.0802

■ 14.3926, 7.9117,
8.8733

■ 35.2426, 41.1622,
41.8723

■ 13.8070, 7.2190,
7.2029

■ 39.1617, 47.7515,
47.0290

■ 13.3843, 6.7855,
5.7923

■ 43.4627, 55.0249,
52.5583

■ 48.1558, 63.0016,
58.4677

■ 53.2507, 71.6998,
64.7649

Harmonies

Analogous

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



20.0031, 17.7454, 27.4534



20.9828, 17.7454, 21.3881



20.7945, 17.7454, 15.8164

Triad

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



20.9828, 17.7454, 21.3881



15.5934, 17.7454, 10.6261



14.4752, 17.7454, 29.0996

Complementary

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



20.9828, 17.7454, 21.3881



20.4195, 26.0233, 24.7168

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.



13.4671, 17.7454, 23.3101



20.9828, 17.7454, 21.3881



14.0761, 17.7454, 12.9789

Square

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



20.9828, 17.7454, 21.3881



17.5733, 17.7454, 10.3153



13.3271, 17.7454, 17.3929



16.1788, 17.7454, 32.4590

Rectangle

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



20.9828, 17.7454, 21.3881



20.0366, 17.7454, 13.0571



13.3271, 17.7454, 17.3929



14.0497, 17.7454, 27.3249

Sweetspot

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



20.9833, 17.7462, 21.3885



46.4557, 46.0994, 51.8572



19.3911, 16.7190, 30.6390



10.1536, 9.9850, 11.2847



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.9833, 17.7462, 21.3885



35.3281, 28.2340, 34.6147



20.0736, 17.7495, 15.4657



5.9015, 5.8557, 6.5874



11.2792, 5.7168, 4.9515



0.1525, 0.0758, 0.1368

Inverse Universe

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



20.9833, 17.7462, 21.3885



35.3281, 28.2340, 34.6147



21.5291, 25.9031, 32.2990



5.9015, 5.8557, 6.5874



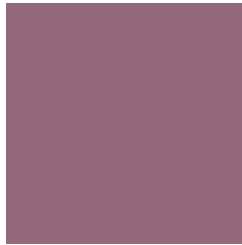
11.2792, 5.7168, 4.9515



0.1525, 0.0758, 0.1368

Previews

White Background



This preview shows how the XYZ color 20.9828, 17.7454, 21.3881 looks on a white background.

Color Contrast Check

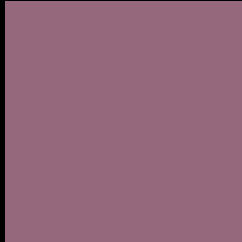
Large Text (above 18pt) WCAG AA ✓ Pass

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, 17.7454, 21.3881 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, 17.7454, 21.3881

Background



This preview shows how black text looks on a background with the XYZ color 20.9828, 17.7454, 21.3881.



This preview shows how white text looks on a background with the XYZ color 20.9828, 17.7454,

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, 17.7454, 21.3881

Protanopia

17.4805, 17.8016, 24.3445

Deuteranopia

18.1344, 17.8754, 20.9069



Tritanopia

20.4040, 17.8189, 18.2836

Trichromacy



Original Color

20.9828, 17.7454, 21.3881

Protanomaly

18.5090, 17.6853, 23.2070

Deuteranomaly

18.9826, 17.6503, 21.1452

Tritanomaly

20.5343, 17.7071, 19.4751

Monochromacy



Original Color

20.9828, 17.7454, 21.3881

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.8286, 18.2404, 20.6175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9828, 17.7454, 21.3881 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(149, 104, 124)` looks like.

```
.text, #text, p{  
    color:rgb(149, 104, 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(149, 104, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 104, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.9828, 17.7454, 21.3881 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(149, 104, 124) }
```


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

```
.border{ border-color:rgb(149, 104, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 104, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 104, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 104, 124);  
box-shadow:4px 4px 4px 4px rgb(149, 104,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9828, 17.7454, 21.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 104, 124) }
```

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

```
.background{ background-color: rgb(149,  
104, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor