

Converting Colors

XYZ(19.9788, 17.8230, 19.2612)

Have a look what the booklet for
XYZ(19.9788, 17.8230, 19.2612)
contains.

XYZ(20.0750, 17.9388, 19.2341)	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(20.0750, 17.9388,
19.2341)**

Conversions

Conversions Part 1

Format	Color
Hex	906C75
RGB	144, 108, 117
RGB Percent	56%, 42%, 46%
CMY	0.4353, 0.5765, 0.5412
CMYK	0.00, 0.25, 0.19, 0.44
HSL	345°, 14%, 49%
HSV	345°, 25%, 56%
XYZ	20.0750, 17.9388, 19.2341
YIQ	119.7900, 18.5670, 10.4310

Conversions

Conversions Part 2

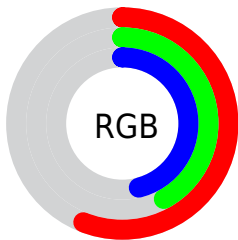
Format	Color
R_{YB}	144, 108, 117
Decimal	9464949
CIE _{Lab}	49.42, 15.78, 0.58
CIE _{LCh}	49, 15.786, 2.095
Yxy	17.9388, 0.3507, 0.3134
Android (android.graphics.Color)	4287655029 (0xFF906C75)
YUV	119.7900, -1.3755, 21.2322
Hunter-Lab	42.3542, 10.4853, 2.7229

Details

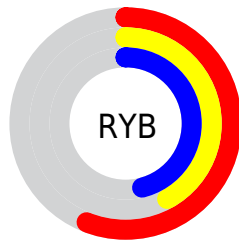
The XYZ color **20.0750, 17.9388, 19.2341** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.5315, 24.8842, 26.6438**, and the grayscale version is **17.7861, 18.7123, 20.3777**.

A 20% lighter version of the original color is **43.0209, 40.0120, 42.9917**, and **7.2042, 5.9885, 6.4064** is the 20% darker color. If you saturate the color by 10%, you get **18.0811, 14.9092, 15.6150**, and if you desaturate by 10%, it is **22.3941, 21.5011, 23.3235**.

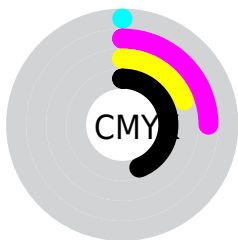
Distribution



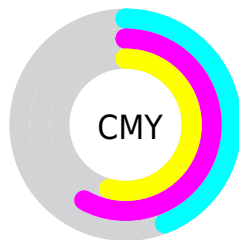
- Red (56%)
- Green (42%)
- Blue (46%)



- Red (56%)
- Yellow (42%)
- Blue (46%)



- Cyan (0%)
- Magenta (25%)
- Yellow (19%)
- Black (44%)





- Cyan (44%)
- Magenta (58%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0750, 17.9388, 19.2341 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 20.0750, 17.9388, 19.2341 by changing the saturation by 10% instead.


 20.0750, 17.9388,
19.2341


 20.0750, 17.9388,
19.2341


245.1467,
240.5259, 260.2038


 12.5582, 10.9061,
11.6610


 43.0459, 39.9330,
42.9713


 7.1999, 6.0037,
6.3936


 59.2306, 55.6633,
59.9724

 3.6349, 2.8473,
3.0132

 79.0354, 75.0615,
80.9534

 1.4977, 1.0526,
1.1014

 102.8255, 98.5121,
106.3326

 0.3243, 0.0000,
0.0000

130.9663,
126.3994, 136.5288

 0.0000, 0.0000,
0.0000

163.8232,

159.1079, 171.9603

201.7616,
197.0219, 213.0458

■ 20.0750, 17.9388,
19.2341

■ 20.0750, 17.9388,
19.2341

■ 18.0811, 14.9092,
15.6150

■ 22.3941, 21.5011,
23.3235

■ 16.3961, 12.3842,
12.4481

■ 25.0506, 25.6174,
27.8984

■ 15.0044, 10.3369,
9.7153

■ 28.0581, 30.3110,
32.9747

■ 13.8888, 8.7369,
7.3972

■ 31.4290, 35.6032,
38.5671

■ 13.0297, 7.5501,
5.4727

■ 35.1748, 41.5139,
44.6897

■ 12.4052, 6.7378,
3.9187

■ 39.3068, 48.0623,
51.3561

■ 11.9869, 6.2485,
2.7084

■ 43.8358, 55.2668,
58.5796

■ 11.8199, 6.0566,
2.2144

■ 48.7719, 63.1449,
66.3726

■ 54.1252, 71.7137,
74.7475

Harmonies

Analogous

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



19.7081, 17.9388, 23.6274



20.0750, 17.9388, 19.2341



19.5931, 17.9388, 15.4910

Triad

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



20.0750, 17.9388, 19.2341



15.5736, 17.9388, 13.3759



15.7449, 17.9388, 27.7130

Complementary

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



20.0750, 17.9388, 19.2341



20.5315, 24.8842, 26.6438

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.



14.7376, 17.9388, 24.2217



20.0750, 17.9388, 19.2341



14.6428, 17.9388, 15.9400

Square

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



20.0750, 17.9388, 19.2341



16.9458, 17.9388, 12.4296



14.3458, 17.9388, 19.8336



17.1552, 17.9388, 28.9275

Rectangle

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



20.0750, 17.9388, 19.2341



18.8707, 17.9388, 13.7498



14.3458, 17.9388, 19.8336



15.3509, 17.9388, 26.7439

Sweetspot

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



20.0755, 17.9396, 19.2345



43.1264, 43.5404, 47.4009



20.3888, 17.8906, 28.7641



9.8344, 9.8986, 10.7751



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.0755, 17.9396, 19.2345



33.3636, 28.5261, 30.2387



20.5702, 19.7353, 16.9136



5.4607, 5.4448, 5.9243



10.3014, 5.2776, 1.9725



0.1062, 0.0536, 0.0596

Inverse Universe

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



20.0755, 17.9396, 19.2345



33.3636, 28.5261, 30.2387



19.8830, 22.5302, 29.6864



5.4607, 5.4448, 5.9243



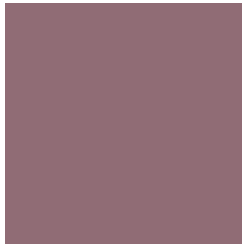
10.3014, 5.2776, 1.9725



0.1062, 0.0536, 0.0596

Previews

White Background



This preview shows how the XYZ color 20.0750, 17.9388, 19.2341 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 20.0750, 17.9388, 19.2341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

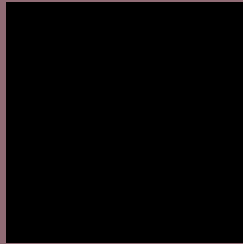
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0750, 17.9388, 19.2341

Background



This preview shows how black text looks on a background with the XYZ color 20.0750, 17.9388, 19.2341.



This preview shows how white text looks on a background with the XYZ color 20.0750, 17.9388,

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

20.0750, 17.9388, 19.2341

Protanopia

17.3454, 17.9793, 20.9685

Deuteranopia

18.3756, 18.0414, 19.0368



Tritanopia

20.0165, 17.9154, 18.9260

Trichromacy



Original Color

20.0750, 17.9388, 19.2341

Protanomaly

18.1599, 17.9027, 20.2677

Deuteranomaly

18.9382, 18.0002, 18.9992

Tritanomaly

20.0165, 17.9154, 18.9260

Monochromacy



Original Color

20.0750, 17.9388, 19.2341

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.6284, 18.4898, 20.0398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0750, 17.9388, 19.2341 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(144, 108, 117)` looks like.

```
.text, #text, p{  
    color:rgb(144, 108, 117)  
}
```

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(144, 108, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 108, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.0750, 17.9388, 19.2341 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(144, 108, 117) }
```


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

```
.border{ border-color:rgb(144, 108, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 108, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 108, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 108, 117);  
box-shadow:4px 4px 4px 4px rgb(144, 108,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0750, 17.9388, 19.2341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 108, 117) }
```

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

```
.background{ background-color: rgb(144,  
108, 117) }
```

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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