

Converting Colors

XYZ(19.9691, 17.8108, 15.4820)

Have a look what the booklet for
XYZ(19.9691, 17.8108, 15.4820)
contains.

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Color

**XYZ(19.9691, 17.8108,
15.4820)**

Conversions

Conversions Part 1

Format	Color
Hex	946B68
RGB	148, 107, 104
RGB Percent	58%, 42%, 41%
CMY	0.4196, 0.5804, 0.5922
CMYK	0.00, 0.28, 0.30, 0.42
HSL	4°, 17%, 49%
HSV	4°, 30%, 58%
XYZ	19.9691, 17.8108, 15.4820
YIQ	118.9170, 25.3990, 7.7590

Conversions

Conversions Part 2

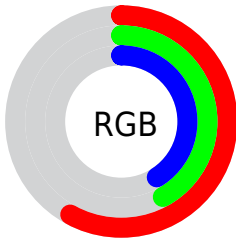
Format	Color
R_{YB}	148, 107, 104
Decimal	9726824
CIE Lab	49.27, 15.92, 8.14
CIE LCh	49, 17.883, 27.072
Yxy	17.8108, 0.3749, 0.3344
Android (android.graphics.Color)	4287916904 (0xFF946B68)
YUV	118.9170, -7.3541, 25.5058
Hunter-Lab	42.2028, 10.6058, 7.7916

Details

The XYZ color **19.9691, 17.8108, 15.4820** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1791, 25.3309, 31.7900**, and the grayscale version is **17.5256, 18.4383, 20.0794**.

A 20% lighter version of the original color is **42.9431, 39.8593, 36.4406**, and **7.1264, 5.9101, 4.6361** is the 20% darker color. If you saturate the color by 10%, you get **17.9575, 14.8869, 11.4224**, and if you desaturate by 10%, it is **22.3429, 21.2477, 20.3137**.

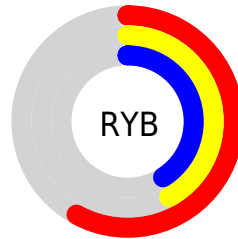
Distribution



Red (58%)

Green (42%)

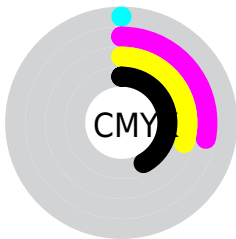
Blue (41%)



Red (58%)

Yellow (42%)

Blue (41%)

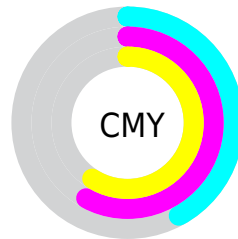


Cyan (0%)

Magenta (28%)

Yellow (30%)

Black (42%)



Cyan (42%)

Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9691, 17.8108, 15.4820 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 19.9691, 17.8108, 15.4820 by changing the saturation by 10% instead.

■ 19.9691, 17.8108,
15.4820

■ 19.9691, 17.8108,
15.4820

244.5845,
239.8024, 238.0058

■ 12.4807, 10.8142,
9.0080

■ 42.8697, 39.7147,
36.4507

■ 7.1465, 5.9421,
4.6495

■ 59.0126, 55.3908,
51.7826

■ 3.6010, 2.8099,
1.9880

■ 78.7711, 74.7288,
70.9041

■ 1.4790, 1.0333,
0.5479

■ 102.5106, 98.1133,
94.2338

■ 0.3115, 0.0000,
0.0000

130.5963,
125.9284, 122.1903

■ 0.0000, 0.0000,
0.0000

163.3936,

158.5588, 155.1921

201.2679,
196.3886, 193.6578

■ 19.9691, 17.8108,
15.4820

■ 19.9691, 17.8108,
15.4820

■ 17.9575, 14.8869,
11.4224

■ 22.3429, 21.2477,
20.3137

■ 16.2890, 12.4492,
8.0940

■ 25.0940, 25.2180,
25.9535

■ 14.9448, 10.4718,
5.4534

■ 28.2383, 29.7438,
32.4363

■ 13.9036, 8.9260,
3.4526

■ 31.7906, 34.8456,
39.7950

■ 13.1420, 7.7794,
2.0373

■ 35.7647, 40.5424,
48.0603

■ 12.6325, 6.9952,
1.1439

■ 40.1738, 46.8527,
57.2616

■ 12.3287, 6.5243,
0.6210

■ 45.0306, 53.7940,
67.4271

■ 12.3224, 6.5152,
0.6081

■ 50.3472, 61.3831,
78.5836

■ 56.1352, 69.6363,
90.7570

Harmonies

Analogous

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



20.3618, 17.8108, 19.8690



19.9691, 17.8108, 15.4820



18.7449, 17.8108, 12.6215

Triad

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



19.9691, 17.8108, 15.4820



14.3609, 17.8108, 14.7887



16.7643, 17.8108, 30.1699

Complementary

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



19.9691, 17.8108, 15.4820



21.1791, 25.3309, 31.7900

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.



15.2337, 17.8108, 28.2348



19.9691, 17.8108, 15.4820



13.9048, 17.8108, 18.9245

Square

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



19.9691, 17.8108, 15.4820



15.5014, 17.8108, 12.2701



14.2136, 17.8108, 23.9126



18.4408, 17.8108, 28.8458

Rectangle

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



19.9691, 17.8108, 15.4820



17.6612, 17.8108, 11.7051



14.2136, 17.8108, 23.9126



16.2166, 17.8108, 29.8724

Sweetspot

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



19.9696, 17.8116, 15.4824



44.5638, 44.9090, 46.3831



22.2791, 18.2430, 29.1620



10.0142, 10.0230, 10.2619



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.



19.9696, 17.8116, 15.4824



32.6888, 27.7284, 22.1718



22.5530, 22.9784, 16.3435



5.8307, 5.8752, 6.0672



10.5337, 5.5818, 0.5222



0.1352, 0.0809, 0.0085

Inverse Universe

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



21.1791, 25.3309, 31.7900



35.1893, 43.2895, 55.9356



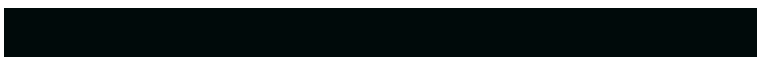
18.1456, 19.2638, 30.7788



5.9306, 6.4952, 7.4109



12.3241, 17.3431, 26.6290



0.1590, 0.2287, 0.3287

Previews

White Background



This preview shows how the XYZ color 19.9691, 17.8108, 15.4820 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 19.9691, 17.8108, 15.4820 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 19.9691, 17.8108, 15.4820

Background



This preview shows how black text looks on a background with the XYZ color 19.9691, 17.8108, 15.4820.



This preview shows how white text looks on a background with the XYZ color 19.9691, 17.8108,

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

19.9691, 17.8108, 15.4820

Protanopia

17.0068, 17.8917, 17.0251

Deuteranopia

18.1848, 17.8579, 15.3204



Tritanopia

20.5857, 17.9125, 18.2921

Trichromacy



Original Color

19.9691, 17.8108, 15.4820

Protanomaly

17.9190, 17.6971, 16.3814

Deuteranomaly

18.7801, 17.8371, 15.2851

Tritanomaly

20.3629, 17.8234, 17.1189

Monochromacy



Original Color

19.9691, 17.8108, 15.4820

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.3739, 18.2222, 18.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9691, 17.8108, 15.4820 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(148, 107, 104)` looks like.

```
.text, #text, p{  
    color:rgb(148, 107, 104)  
}
```

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(148, 107, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 107, 104) }
```

Border

The CSS property to change the border of an element to XYZ 19.9691, 17.8108, 15.4820 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(148, 107, 104) }
```


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

```
.border{ border-color:rgb(148, 107, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 107, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 107, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 107, 104);  
box-shadow:4px 4px 4px 4px rgb(148, 107,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9691, 17.8108, 15.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 107, 104) }
```

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

```
.background{ background-color: rgb(148,  
107, 104) }
```

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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