

Converting Colors

XYZ(19.7486, 17.8177, 22.8098)

Have a look what the booklet for
XYZ(19.7486, 17.8177, 22.8098)
contains.

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Color

**XYZ(19.8462, 17.8991,
22.8309)**

Conversions

Conversions Part 1

Format	Color
Hex	8A6D80
RGB	138, 109, 128
RGB Percent	54%, 43%, 50%
CMY	0.4588, 0.5725, 0.4980
CMYK	0.00, 0.21, 0.07, 0.46
HSL	321°, 12%, 48%
HSV	321°, 21%, 54%
XYZ	19.8462, 17.8991, 22.8309
YIQ	119.8370, 11.1850, 12.0570

Conversions

Conversions Part 2

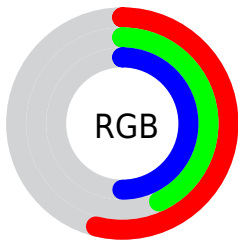
Format	Color
R_{YB}	138, 109, 128
Decimal	9072000
CIE _{Lab}	49.37, 14.85, -6.11
CIE _{LCh}	49, 16.055, 337.648
Yxy	17.8991, 0.3276, 0.2955
Android (android.graphics.Color)	4287262080 (0xFF8A6D80)
YUV	119.8370, 4.0244, 15.9290
Hunter-Lab	42.3073, 9.6958, -2.3804

Details

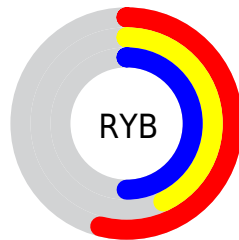
The XYZ color **19.8462, 17.8991, 22.8309** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.7257, 22.7607, 20.8603**, and the grayscale version is **17.7861, 18.7123, 20.3777**.

A 20% lighter version of the original color is **42.8236, 40.0324, 49.1860**, and **7.1045, 5.9767, 8.1763** is the 20% darker color. If you saturate the color by 10%, you get **18.1822, 15.0606, 20.7669**, and if you desaturate by 10%, it is **21.7571, 21.2074, 25.0501**.

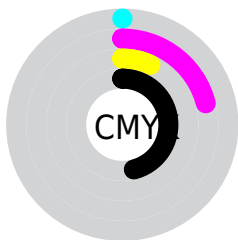
Distribution



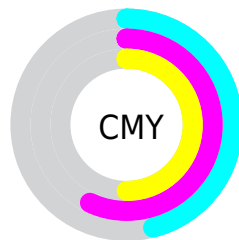
- Red (54%)
- Green (43%)
- Blue (50%)



- Red (54%)
- Yellow (43%)
- Blue (50%)



- Cyan (0%)
- Magenta (21%)
- Yellow (7%)
- Black (46%)



- Cyan (46%)
- Magenta (57%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8462, 17.8991, 22.8309 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 19.8462, 17.8991, 22.8309 by changing the saturation by 10% instead.

■ 19.8462, 17.8991,
22.8309

■ 19.8462, 17.8991,
22.8309

243.9307,
240.3017, 279.9490

■ 12.3909, 10.8776,
14.2646

■ 42.6651, 39.8653,
49.0352

■ 7.0846, 5.9846,
8.1641

■ 58.7594, 55.5788,
67.5102

■ 3.5619, 2.8357,
4.1108

■ 78.4641, 74.9584,
90.1252

■ 1.4574, 1.0466,
1.6863

■ 102.1445, 98.3885,
117.2988

■ 0.2966, 0.0000,
0.3513

130.1660,
126.2535, 149.4494

■ 0.0000, 0.0000,
0.0000

162.8940,

158.9377, 186.9956

200.6938,
196.8257, 230.3559

■ 19.8462, 17.8991,
22.8309

■ 19.8462, 17.8991,
22.8309

■ 18.1822, 15.0606,
20.7669

■ 21.7571, 21.2074,
25.0501

■ 16.7526, 12.6678,
18.8523

■ 23.9235, 25.0033,
27.4278

■ 15.5461, 10.6984,
17.0826

■ 26.3557, 29.3065,
29.9685

■ 14.5498, 9.1267,
15.4525

■ 29.0628, 34.1351,
32.6762

■ 13.7494, 7.9248,
13.9562

■ 32.0534, 39.5060,
35.5546

■ 13.1288, 7.0606,
12.5872

■ 35.3360, 45.4358,
38.6075

■ 12.6691, 6.4967,
11.3380

■ 38.9184, 51.9399,
41.8383

■ 12.3443, 6.1485,
10.3005

■ 42.8083, 59.0335,
45.2506

■ 47.0130, 66.7309,
48.8475

Harmonies

Analogous

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



18.8513, 17.8991, 26.8547



19.8462, 17.8991, 22.8309



20.0604, 17.8991, 18.4016

Triad

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



19.8462, 17.8991, 22.8309



16.6285, 17.8991, 12.3455



14.8124, 17.8991, 25.0313

Complementary

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



19.8462, 17.8991, 22.8309



18.7257, 22.7607, 20.8603

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.



14.2902, 17.8991, 20.6185



19.8462, 17.8991, 22.8309



15.2975, 17.8991, 13.6108

Square

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



19.8462, 17.8991, 22.8309



18.1426, 17.8991, 12.7569



14.4624, 17.8991, 16.4904



15.9305, 17.8991, 28.2507

Rectangle

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



19.8462, 17.8991, 22.8309



19.7206, 17.8991, 15.8744



14.4624, 17.8991, 16.4904



14.5645, 17.8991, 23.6147

Sweetspot

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



19.8467, 17.8999, 22.8313



40.1578, 40.5396, 46.1662



17.6190, 16.6716, 26.3345



8.9615, 9.0128, 10.3046



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.



19.8467, 17.8999, 22.8313



33.6036, 29.1882, 38.5649



18.9784, 17.5525, 18.2585



5.1618, 5.1002, 5.9404



11.3248, 5.6401, 9.4808



0.0821, 0.0402, 0.0994

Inverse Universe

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



19.8467, 17.8999, 22.8313



33.6036, 29.1882, 38.5649



19.6410, 23.1268, 25.6800



5.1618, 5.1002, 5.9404



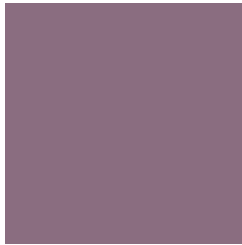
11.3248, 5.6401, 9.4808



0.0821, 0.0402, 0.0994

Previews

White Background



This preview shows how the XYZ color 19.8462, 17.8991, 22.8309 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 19.8462, 17.8991, 22.8309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

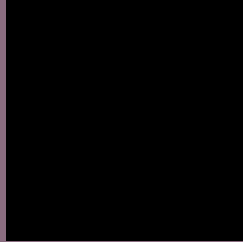
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8462, 17.8991, 22.8309

Background



This preview shows how black text looks on a background with the XYZ color 19.8462, 17.8991, 22.8309.



This preview shows how white text looks on a background with the XYZ color 19.8462, 17.8991,

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

19.8462, 17.8991, 22.8309

Protanopia

17.6652, 18.0609, 24.7453

Deuteranopia

18.3055, 17.9269, 22.5741



Tritanopia

19.3307, 18.0192, 19.9120

Trichromacy



Original Color

19.8462, 17.8991, 22.8309

Protanomaly

18.2824, 17.8843, 23.9612

Deuteranomaly

18.8309, 17.8665, 22.5348

Tritanomaly

19.4053, 17.8754, 20.8399

Monochromacy



Original Color

19.8462, 17.8991, 22.8309

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5729, 18.4329, 21.3179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8462, 17.8991, 22.8309 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(138, 109, 128)` looks like.

```
.text, #text, p{  
    color:rgb(138, 109, 128)  
}
```

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(138, 109, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 109, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.8462, 17.8991, 22.8309 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(138, 109, 128) }
```


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

```
.border{ border-color:rgb(138, 109, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 109, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 109, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 109, 128);  
box-shadow:4px 4px 4px 4px rgb(138, 109,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8462, 17.8991, 22.8309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 109, 128) }
```

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

```
.background{ background-color: rgb(138,  
109, 128) }
```

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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