

Converting Colors

XYZ(23.7155, 22.1094, 19.9493)

Have a look what the booklet for
XYZ(23.7155, 22.1094, 19.9493)
contains.

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Color

**XYZ(23.6880, 22.1720,
19.8608)**

Conversions

Conversions Part 1

Format	Color
Hex	9B7A75
RGB	155, 122, 117
RGB Percent	61%, 48%, 46%
CMY	0.3922, 0.5216, 0.5412
CMYK	0.00, 0.21, 0.25, 0.39
HSL	8°, 16%, 53%
HSV	8°, 25%, 61%
XYZ	23.6880, 22.1720, 19.8608
YIQ	131.2970, 21.2730, 5.4410

Conversions

Conversions Part 2

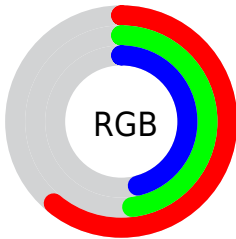
Format	Color
R_{YB}	155, 123, 117
Decimal	10189429
CIE _{Lab}	54.21, 12.03, 7.63
CIE _{LCh}	54, 14.242, 32.370
Yxy	22.1720, 0.3604, 0.3374
Android (android.graphics.Color)	4288379509 (0xFF9B7A75)
YUV	131.2970, -7.0484, 20.7875
Hunter-Lab	47.0872, 7.3950, 7.9532

Details

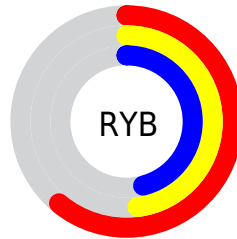
The XYZ color **23.6880, 22.1720, 19.8608** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.1586, 27.9604, 35.1341**, and the grayscale version is **21.6992, 22.8292, 24.8610**.

A 20% lighter version of the original color is **48.8758, 46.8383, 44.0008**, and **9.0502, 8.0783, 6.7125** is the 20% darker color. If you saturate the color by 10%, you get **21.3114, 18.7584, 14.9385**, and if you desaturate by 10%, it is **26.4456, 26.1058, 25.6551**.

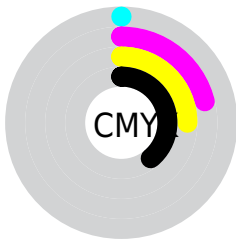
Distribution



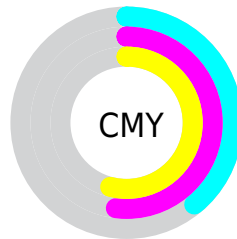
- Red (61%)
- Green (48%)
- Blue (46%)



- Red (61%)
- Yellow (48%)
- Blue (46%)



- Cyan (0%)
- Magenta (21%)
- Yellow (25%)
- Black (39%)



- Cyan (39%)
- Magenta (52%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6880, 22.1720, 19.8608 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 23.6880, 22.1720, 19.8608 by changing the saturation by 10% instead.

■ 23.6880, 22.1720,
19.8608

■ 23.6880, 22.1720,
19.8608

263.7091,
263.4432, 263.7398

■ 15.2258, 13.9833,
12.1108

■ 48.9790, 47.0301,
44.0396

■ 9.0654, 8.1091,
6.6957

■ 66.5385, 64.4683,
61.3055

■ 4.8413, 4.1648,
3.1970

■ 87.8611, 85.7586,
82.5804

■ 2.1882, 1.7662,
1.1961

113.3123,
111.2852, 108.2829

■ 0.7365, 0.4660,
0.0000

143.2573,
141.4325, 138.8316

■ 0.0000, 0.0000,
0.0000

178.0616,

176.5851, 174.6449

218.0904,
217.1271, 216.1415

■ 23.6880, 22.1720,
19.8608

■ 23.6880, 22.1720,
19.8608

■ 21.3114, 18.7584,
14.9385

■ 26.4456, 26.1058,
25.6551

■ 19.2973, 15.8403,
10.8447

■ 29.5982, 30.5772,
32.3594

■ 17.6282, 13.3955,
7.5341

■ 33.1612, 35.6064,
40.0112

■ 16.2845, 11.3989,
4.9565

■ 37.1487, 41.2118,
48.6452

■ 15.2445, 9.8231,
3.0558

■ 41.5740, 47.4109,
58.2946

■ 14.4840, 8.6376,
1.7680

■ 46.4499, 54.2204,
68.9910

■ 13.9745, 7.8077,
1.0146

■ 51.7888, 61.6564,
80.7646

■ 13.7750, 7.4834,
0.7184

■ 57.6024, 69.7344,
93.6442

■ 63.6595, 78.3723,
106.3799

Harmonies

Analogous

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



24.1886, 22.1720, 23.7909



23.6880, 22.1720, 19.8608



22.4840, 22.1720, 17.3518

Triad

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



23.6880, 22.1720, 19.8608



18.5462, 22.1720, 20.4015



21.1971, 22.1720, 33.6954

Complementary

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



23.6880, 22.1720, 19.8608



24.1586, 27.9604, 35.1341

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.



19.7239, 22.1720, 32.5052



23.6880, 22.1720, 19.8608



18.2386, 22.1720, 24.4957

Square

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



23.6880, 22.1720, 19.8608



19.5207, 22.1720, 17.6361



18.6594, 22.1720, 28.9970



22.7072, 22.1720, 32.0774

Rectangle

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



23.6880, 22.1720, 19.8608



21.4713, 22.1720, 16.6425



18.6594, 22.1720, 28.9970



20.6812, 22.1720, 33.6103

Sweetspot

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



23.6886, 22.1730, 19.8613



51.4573, 52.5663, 54.6438



25.4298, 21.9117, 31.9832



11.5772, 11.7991, 12.2193



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.6886, 22.1730, 19.8613



40.1905, 36.5076, 30.9267



26.1702, 27.1362, 20.6885



6.2711, 6.3473, 6.5005



11.0813, 6.0450, 0.5828



0.1805, 0.1201, 0.0137

Inverse Universe

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



24.1586, 27.9604, 35.1341



41.1665, 48.5567, 62.7390



21.4454, 22.5340, 34.2297



6.3152, 6.8878, 7.9256



11.6852, 15.7671, 27.3352



0.1915, 0.2694, 0.4143

Previews

White Background



This preview shows how the XYZ color 23.6880, 22.1720, 19.8608 looks on a white background.

Color Contrast Check

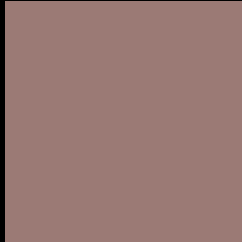
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.6880, 22.1720, 19.8608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

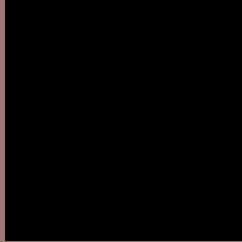
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6880, 22.1720, 19.8608

Background



This preview shows how black text looks on a background with the XYZ color 23.6880, 22.1720, 19.8608.



This preview shows how white text looks on a background with the XYZ color 23.6880, 22.1720,

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

23.6880, 22.1720, 19.8608

Protanopia

21.1330, 22.1493, 21.2506

Deuteranopia

22.5186, 22.1312, 19.6079



Tritanopia

24.3892, 22.0858, 23.7464

Trichromacy



Original Color

23.6880, 22.1720, 19.8608

Protanomaly

22.0063, 22.0286, 20.8614

Deuteranomaly

22.9377, 22.1603, 19.5914

Tritanomaly

24.2493, 22.2233, 22.4135

Monochromacy



Original Color

23.6880, 22.1720, 19.8608

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.3003, 22.5202, 22.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6880, 22.1720, 19.8608 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(155, 122, 117)` looks like.

```
.text, #text, p{  
    color:rgb(155, 122, 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(155, 122, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 122, 117) }
```

Border

The CSS property to change the border of an element to XYZ 23.6880, 22.1720, 19.8608 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(155, 122, 117) }
```


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

```
.border{ border-color:rgb(155, 122, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 122, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 122, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 122, 117);  
box-shadow:4px 4px 4px 4px rgb(155, 122,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6880, 22.1720, 19.8608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 122, 117) }
```

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

```
.background{ background-color: rgb(155,  
122, 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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