

Converting Colors

XYZ(22.7762, 21.8445, 18.4661)

Have a look what the booklet for
XYZ(22.7762, 21.8445, 18.4661)
contains.

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Color

**XYZ(22.7701, 21.9151,
18.3592)**

Conversions

Conversions Part 1

Format	Color
Hex	977B70
RGB	151, 123, 112
RGB Percent	59%, 48%, 44%
CMY	0.4078, 0.5176, 0.5608
CMYK	0.00, 0.19, 0.26, 0.41
HSL	17°, 16%, 52%
HSV	17°, 26%, 59%
XYZ	22.7701, 21.9151, 18.3592
YIQ	130.1180, 20.2190, 2.5150

Conversions

Conversions Part 2

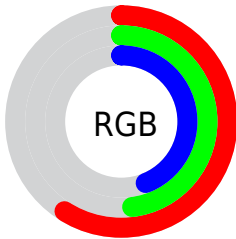
Format	Color
R_{YB}	151, 127, 112
Decimal	9927536
CIE Lab	53.94, 9.08, 10.09
CIE LCh	54, 13.577, 48.001
Yxy	21.9151, 0.3612, 0.3476
Android (android.graphics.Color)	4288117616 (0xFF977B70)
YUV	130.1180, -8.9322, 18.3135
Hunter-Lab	46.8136, 4.8986, 9.5173

Details

The XYZ color **22.7701, 21.9151, 18.3592** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.6459, 24.4346, 32.8537**, and the grayscale version is **21.2860, 22.3945, 24.3876**.

A 20% lighter version of the original color is **47.4844, 46.4621, 41.5873**, and **8.5198, 7.9204, 5.9302** is the 20% darker color. If you saturate the color by 10%, you get **20.7279, 19.0651, 13.8726**, and if you desaturate by 10%, it is **25.1034, 25.1213, 23.6391**.

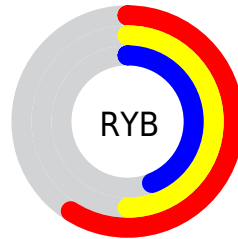
Distribution



Red (59%)

Green (48%)

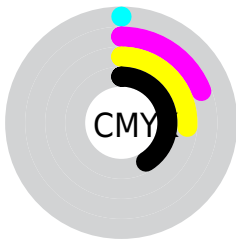
Blue (44%)



Red (59%)

Yellow (50%)

Blue (44%)

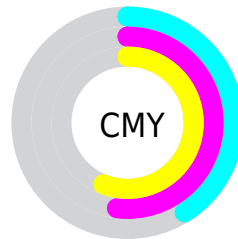


Cyan (0%)

Magenta (19%)

Yellow (26%)

Black (41%)



Cyan (41%)

Magenta (52%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7701, 21.9151, 18.3592 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 22.7701, 21.9151, 18.3592 by changing the saturation by 10% instead.

■ 22.7701, 21.9151,
18.3592

■ 22.7701, 21.9151,
18.3592

259.0994,
262.1026, 255.1917

■ 14.5436, 13.7945,
11.0361

■ 47.4850, 46.6056,
41.4706

■ 8.5839, 7.9779,
5.9766

■ 64.7041, 63.9444,
58.0960

■ 4.5257, 4.0808,
2.7623

■ 85.6515, 85.1247,
78.6592

■ 2.0036, 1.7189,
0.9746

■ 110.6924,
110.5308, 103.5788

■ 0.6360, 0.4358,
0.0000

140.1923,
140.5473, 133.2733

■ 0.0000, 0.0000,
0.0000

174.5166,

175.5585, 168.1613

214.0305,
215.9488, 208.6612

■ 22.7701, 21.9151,
18.3592

■ 22.7701, 21.9151,
18.3592

■ 20.7279, 19.0651,
13.8726

■ 25.1034, 25.1213,
23.6391

■ 18.9632, 16.5560,
10.1392

■ 27.7373, 28.6926,
29.7468

■ 17.4639, 14.3753,
7.1176

■ 30.6828, 32.6413,
36.7165

■ 16.2161, 12.5091,
4.7617

■ 33.9499, 36.9781,
44.5802

■ 15.2048, 10.9420,
3.0201

■ 37.5483, 41.7133,
53.3680

■ 14.4129, 9.6575,
1.8336

■ 41.4870, 46.8570,
63.1088

■ 13.8186, 8.6362,
1.1196

■ 45.7749, 52.4187,
73.8301

■ 13.6120, 8.2783,
0.8804

■ 50.4204, 58.4076,
85.5584

■ 55.4316, 64.8328,
98.3191

Harmonies

Analogous

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



23.6225, 21.9151, 21.4567



22.7701, 21.9151, 18.3592



21.4202, 21.9151, 16.8143

Triad

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



22.7701, 21.9151, 18.3592



18.1963, 21.9151, 22.2250



21.7115, 21.9151, 32.3775

Complementary

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



22.7701, 21.9151, 18.3592



21.6459, 24.4346, 32.8537

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.



20.2500, 21.9151, 32.6459



22.7701, 21.9151, 18.3592



18.2661, 21.9151, 26.4403

Square

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



22.7701, 21.9151, 18.3592



18.8074, 21.9151, 18.8648



19.0027, 21.9151, 30.3668



22.9919, 21.9151, 29.6715

Rectangle

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



22.7701, 21.9151, 18.3592



20.4404, 21.9151, 16.7371



19.0027, 21.9151, 30.3668



21.2238, 21.9151, 32.7664

Sweetspot

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



22.7707, 21.9161, 18.3597



48.5243, 49.8330, 50.5849



23.3349, 20.0791, 27.6895



10.8735, 11.1161, 11.1353



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



22.7707, 21.9161, 18.3597



38.5980, 36.2151, 28.0557



25.3454, 27.0656, 19.2179



6.3437, 6.4924, 6.5247



11.6017, 7.0859, 0.7562



0.2014, 0.1618, 0.0206

Inverse Universe

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



21.6459, 24.4346, 32.8537



36.2287, 41.5037, 58.5352



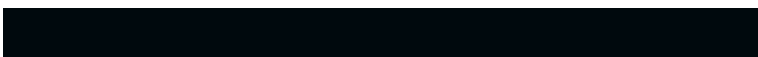
19.1178, 19.3785, 32.0111



6.2372, 6.7318, 7.8996



9.3749, 11.1464, 26.5651



0.1704, 0.2271, 0.4072

Previews

White Background



This preview shows how the XYZ color 22.7701, 21.9151, 18.3592 looks on a white background.

Color Contrast Check

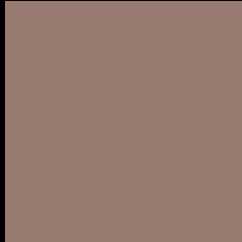
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7701, 21.9151, 18.3592 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 22.7701, 21.9151, 18.3592

Background



This preview shows how black text looks on a background with the XYZ color 22.7701, 21.9151, 18.3592.



This preview shows how white text looks on a background with the XYZ color 22.7701, 21.9151,

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

22.7701, 21.9151, 18.3592

Protanopia

20.9364, 22.0892, 19.3798

Deuteranopia

22.3450, 21.8811, 18.3750



Tritanopia

23.8826, 21.8170, 24.0714

Trichromacy



Original Color

22.7701, 21.9151, 18.3592

Protanomaly

21.6111, 22.0564, 19.0379

Deuteranomaly

22.5267, 21.9747, 18.3835

Tritanomaly

23.3614, 21.7802, 21.7116

Monochromacy



Original Color

22.7701, 21.9151, 18.3592

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.6458, 22.0121, 21.8468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7701, 21.9151, 18.3592 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(151, 123, 112)` looks like.

```
.text, #text, p{  
    color:rgb(151, 123, 112)  
}
```

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(151, 123, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 123, 112) }
```

Border

The CSS property to change the border of an element to XYZ 22.7701, 21.9151, 18.3592 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(151, 123, 112) }
```


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

```
.border{ border-color:rgb(151, 123, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 123, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 123, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 123, 112);  
box-shadow:4px 4px 4px 4px rgb(151, 123,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7701, 21.9151, 18.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 123, 112) }
```

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

```
.background{ background-color: rgb(151,  
123, 112) }
```

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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