

Converting Colors

XYZ(23.9499, 22.1715, 17.7691)

Have a look what the booklet for
XYZ(23.9499, 22.1715, 17.7691)
contains.

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Color

**XYZ(23.9499, 22.1715,
17.7691)**

Conversions

Conversions Part 1

Format	Color
Hex	9F796E
RGB	159, 121, 110
RGB Percent	62%, 47%, 43%
CMY	0.3765, 0.5255, 0.5686
CMYK	0.00, 0.24, 0.31, 0.38
HSL	13°, 20%, 53%
HSV	13°, 31%, 62%
XYZ	23.9499, 22.1715, 17.7691
YIQ	131.1080, 26.1790, 4.6350

Conversions

Conversions Part 2

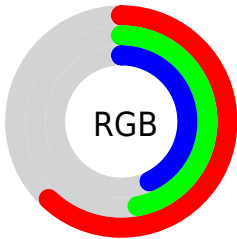
Format	Color
R_{YB}	159, 124, 110
Decimal	10451310
CIE _{Lab}	54.21, 13.19, 11.75
CIE _{LCh}	54, 17.665, 41.714
Yxy	22.1715, 0.3749, 0.3470
Android (android.graphics.Color)	4288641390 (0xFF9F796E)
YUV	131.1080, -10.4062, 24.4613
Hunter-Lab	47.0866, 8.3897, 10.5863

Details

The XYZ color **23.9499, 22.1715, 17.7691** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.2779, 26.9970, 36.7849**, and the grayscale version is **21.6420, 22.7690, 24.7955**.

A 20% lighter version of the original color is **49.4895, 46.9428, 40.6349**, and **9.1307, 8.0467, 5.6294** is the 20% darker color. If you saturate the color by 10%, you get **21.7570, 19.0489, 13.1436**, and if you desaturate by 10%, it is **26.4909, 25.7413, 23.2776**.

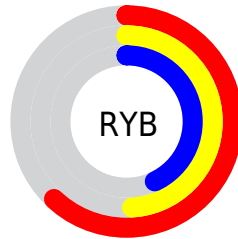
Distribution



Red (62%)

Green (47%)

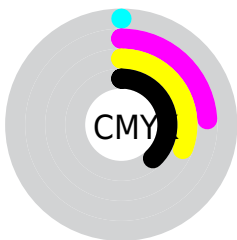
Blue (43%)



Red (62%)

Yellow (49%)

Blue (43%)

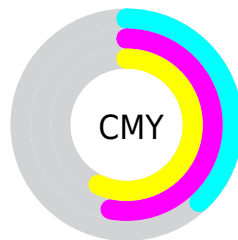


Cyan (0%)

Magenta (24%)

Yellow (31%)

Black (38%)



Cyan (38%)


Magenta (53%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9499, 22.1715, 17.7691 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 23.9499, 22.1715, 17.7691 by changing the saturation by 10% instead.


 23.9499, 22.1715,
17.7691


 23.9499, 22.1715,
17.7691


265.0123,
263.4406, 251.7586


 15.4210, 13.9830,
10.6166


 49.4037, 47.0293,
40.4521


 9.2036, 8.1088,
5.6988

 67.0593, 64.4673,
56.8197

 4.9324, 4.1647,
2.5970


 88.4879, 85.7573,
77.0961

 2.2420, 1.7661,
0.8909

 114.0547,
111.2837, 101.6998

 0.7647, 0.4659,
0.0000

144.1252,
141.4308, 131.0493

 0.0000, 0.0000,
0.0000

179.0648,

176.5831, 165.5633

219.2387,
217.1249, 205.6602

■ 23.9499, 22.1715,
17.7691

■ 23.9499, 22.1715,
17.7691

■ 21.7570, 19.0489,
13.1436

■ 26.4909, 25.7413,
23.2776

■ 19.8949, 16.3528,
9.3534

■ 29.3927, 29.7720,
29.7103

■ 18.3474, 14.0652,
6.3487

■ 32.6695, 34.2805,
37.1079

■ 17.0963, 12.1657,
4.0735

■ 36.3344, 39.2817,
45.5079

■ 16.1212, 10.6320,
2.4646

■ 40.3995, 44.7902,
54.9458

■ 15.3991, 9.4395,
1.4476

■ 44.8768, 50.8198,
65.4556

■ 14.9201, 8.6149,
0.8765

■ 49.7774, 57.3836,
77.0696

■ 55.1123, 64.4946,
89.8188

■ 60.8917, 72.1651,
103.7328

Harmonies

Analogous

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



24.8973, 22.1715, 22.0582



23.9499, 22.1715, 17.7691



22.2526, 22.1715, 15.4321

Triad

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



23.9499, 22.1715, 17.7691



17.7600, 22.1715, 20.9744



21.8315, 22.1715, 36.0391

Complementary

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



23.9499, 22.1715, 17.7691



23.2779, 26.9970, 36.7849

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.



19.9365, 22.1715, 35.6310



23.9499, 22.1715, 17.7691



17.6624, 22.1715, 26.3510

Square

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



23.9499, 22.1715, 17.7691



18.7119, 22.1715, 17.0798



18.4369, 22.1715, 31.8787



23.6256, 22.1715, 32.9211

Rectangle

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



23.9499, 22.1715, 17.7691



20.9632, 22.1715, 15.0428



18.4369, 22.1715, 31.8787



21.1839, 22.1715, 36.3211

Sweetspot

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



23.9505, 22.1725, 17.7695



53.5587, 54.5884, 55.2684



25.2498, 20.6733, 30.8359



11.9003, 12.0660, 12.0692



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.9505, 22.1725, 17.7695



40.1230, 35.7730, 25.9538



27.2558, 28.7833, 18.8713



6.7479, 6.8758, 6.9572



11.8114, 6.8585, 0.7013



0.2392, 0.1787, 0.0219

Inverse Universe

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



23.2779, 26.9970, 36.7849



38.7141, 45.8012, 65.5435



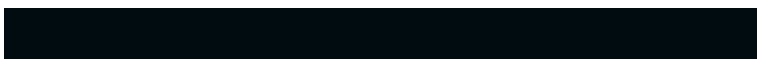
19.8817, 20.2045, 35.6528



6.6954, 7.2566, 8.4545



10.5981, 13.2877, 27.9134



0.2182, 0.2950, 0.5087

Previews

White Background



This preview shows how the XYZ color 23.9499, 22.1715, 17.7691 looks on a white background.

Color Contrast Check

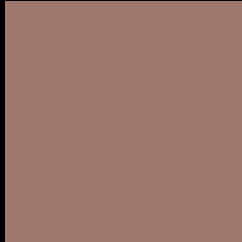
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9499, 22.1715, 17.7691 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 23.9499, 22.1715, 17.7691

Background



This preview shows how black text looks on a background with the XYZ color 23.9499, 22.1715, 17.7691.



This preview shows how white text looks on a background with the XYZ color 23.9499, 22.1715,

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

23.9499, 22.1715, 17.7691

Protanopia

21.0409, 22.1497, 19.0859

Deuteranopia

22.6716, 22.2554, 17.5688



Tritanopia

25.0727, 22.0924, 23.3649

Trichromacy



Original Color

23.9499, 22.1715, 17.7691

Protanomaly

21.9431, 22.0433, 18.7210

Deuteranomaly

23.1048, 22.2917, 17.5530

Tritanomaly

24.5452, 22.0477, 21.0511

Monochromacy



Original Color

23.9499, 22.1715, 17.7691

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.1490, 22.2715, 21.8703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9499, 22.1715, 17.7691 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(159, 121, 110)` looks like.

```
.text, #text, p{  
    color:rgb(159, 121, 110)  
}
```

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(159, 121, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 121, 110) }
```

Border

The CSS property to change the border of an element to XYZ 23.9499, 22.1715, 17.7691 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(159, 121, 110) }
```


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

```
.border{ border-color:rgb(159, 121, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 121, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 121, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 121, 110);  
box-shadow:4px 4px 4px 4px rgb(159, 121,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9499, 22.1715, 17.7691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 121, 110) }
```

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

```
.background{ background-color: rgb(159,  
121, 110) }
```

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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