

Converting Colors

XYZ(23.7610, 21.9984, 17.9382)

Have a look what the booklet for
XYZ(23.7610, 21.9984, 17.9382)
contains.

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Color

**XYZ(23.8072, 22.0915,
18.0482)**

Conversions

Conversions Part 1

Format	Color
Hex	9E796F
RGB	158, 121, 111
RGB Percent	62%, 47%, 44%
CMY	0.3804, 0.5255, 0.5647
CMYK	0.00, 0.23, 0.30, 0.38
HSL	13°, 20%, 53%
HSV	13°, 30%, 62%
XYZ	23.8072, 22.0915, 18.0482
YIQ	130.9230, 25.2620, 4.7340

Conversions

Conversions Part 2

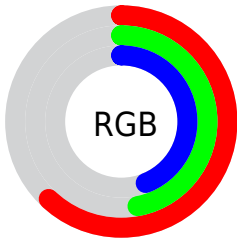
Format	Color
R_{YB}	158, 124, 111
Decimal	10385775
CIE _{Lab}	54.12, 12.92, 11.04
CIE _{LCh}	54, 16.996, 40.507
Yxy	22.0915, 0.3723, 0.3455
Android (android.graphics.Color)	4288575855 (0xFF9E796F)
YUV	130.9230, -9.8220, 23.7465
Hunter-Lab	47.0016, 8.1608, 10.1343

Details

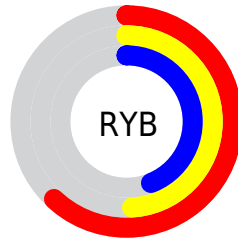
The XYZ color **23.8072, 22.0915, 18.0482** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.3168, 27.0273, 36.3359**, and the grayscale version is **21.5740, 22.6975, 24.7176**.

A 20% lighter version of the original color is **48.9950, 46.6776, 41.0777**, and **9.1584, 8.0578, 5.7752** is the 20% darker color. If you saturate the color by 10%, you get **21.5979, 18.9440, 13.3926**, and if you desaturate by 10%, it is **26.3665, 25.6924, 23.5802**.

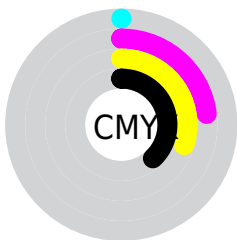
Distribution



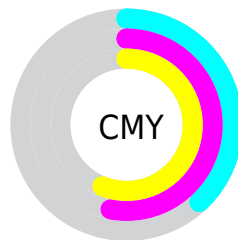
- Red (62%)
- Green (47%)
- Blue (44%)



- Red (62%)
- Yellow (49%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (30%)
- Black (38%)





- Cyan (38%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8072, 22.0915, 18.0482 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 23.8072, 22.0915, 18.0482 by changing the saturation by 10% instead.


 23.8072, 22.0915,
18.0482

 23.8072, 22.0915,
18.0482


264.3029,
263.0237, 253.3878


 15.3146, 13.9241,
10.8148


 49.1724, 46.8972,
40.9345


 9.1282, 8.0679,
5.8298


 66.7757, 64.3043,
57.4245

 4.8827, 4.1384,
2.6748

 88.1466, 85.5601,
77.8370

 2.2127, 1.7513,
0.9307

 113.6505,
111.0491, 102.5907

 0.7494, 0.4565,
0.0000

143.6527,
141.1555, 132.1041

 0.0000, 0.0000,
0.0000

178.5186,

176.2638, 166.7957

218.6136,
216.7584, 207.0841

■ 23.8072, 22.0915,
18.0482

■ 23.8072, 22.0915,
18.0482

■ 21.5979, 18.9440,
13.3926

■ 26.3665, 25.6924,
23.5802

■ 19.7212, 16.2288,
9.5669

■ 29.2886, 29.7606,
30.0291

■ 18.1612, 13.9277,
6.5222

■ 32.5876, 34.3132,
37.4346

■ 16.8995, 12.0198,
4.2041

■ 36.2766, 39.3657,
45.8336

■ 15.9160, 10.4826,
2.5510

■ 40.3679, 44.9325,
55.2611

■ 15.1876, 9.2910,
1.4910

■ 44.8732, 51.0279,
65.7503

■ 14.6732, 8.4108,
0.8616

■ 49.8039, 57.6653,
77.3329

■ 14.6621, 8.3920,
0.8470

■ 55.1708, 64.8577,
90.0395

■ 60.9843, 72.6177,
103.8992

Harmonies

Analogous

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



24.6761, 22.0915, 22.2511



23.8072, 22.0915, 18.0482



22.2016, 22.0915, 15.7024

Triad

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



23.8072, 22.0915, 18.0482



17.8322, 22.0915, 20.8252



21.6499, 22.0915, 35.4700

Complementary

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



23.8072, 22.0915, 18.0482



23.3168, 27.0273, 36.3359

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.



19.8374, 22.0915, 34.9398



23.8072, 22.0915, 18.0482



17.7037, 22.0915, 25.9515

Square

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



23.8072, 22.0915, 18.0482



18.7796, 22.0915, 17.1360



18.4177, 22.0915, 31.2628



23.3831, 22.0915, 32.6205

Rectangle

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



23.8072, 22.0915, 18.0482



20.9660, 22.0915, 15.2692



18.4177, 22.0915, 31.2628



21.0287, 22.0915, 35.6903

Sweetspot

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



23.8078, 22.0925, 18.0486



53.5108, 54.4926, 55.2524



25.1782, 20.7954, 30.9538



11.8881, 12.0415, 12.0651



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.



23.8078, 22.0925, 18.0486



40.3772, 36.0572, 26.7304



26.9282, 28.3333, 19.0888



6.7418, 6.8636, 6.9551



11.7674, 6.7703, 0.6866



0.2373, 0.1748, 0.0212

Inverse Universe

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



23.3168, 27.0273, 36.3359



39.3241, 46.5456, 65.6550



20.0736, 20.5410, 35.2548



6.7020, 7.2697, 8.4566



10.7821, 13.6557, 27.9748



0.2204, 0.2994, 0.5094

Previews

White Background



This preview shows how the XYZ color 23.8072, 22.0915, 18.0482 looks on a white background.

Color Contrast Check

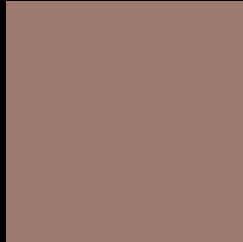
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8072, 22.0915, 18.0482 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 23.8072, 22.0915, 18.0482

Background



This preview shows how black text looks on a background with the XYZ color 23.8072, 22.0915, 18.0482.



This preview shows how white text looks on a background with the XYZ color 23.8072, 22.0915,

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

23.8072, 22.0915, 18.0482

Protanopia

20.9364, 22.0892, 19.3798

Deuteranopia

22.5425, 22.1826, 17.8454



Tritanopia

24.9903, 22.2257, 23.3949

Trichromacy



Original Color

23.8072, 22.0915, 18.0482

Protanomaly

21.8258, 21.9763, 19.0111

Deuteranomaly

22.9710, 22.2165, 17.8294

Tritanomaly

24.5274, 22.2090, 21.4064

Monochromacy



Original Color

23.8072, 22.0915, 18.0482

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.2120, 22.2967, 22.2018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8072, 22.0915, 18.0482 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(158, 121, 111)` looks like.

```
.text, #text, p{  
    color:rgb(158, 121, 111)  
}
```

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(158, 121, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 121, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.8072, 22.0915, 18.0482 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(158, 121, 111) }
```


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

```
.border{ border-color:rgb(158, 121, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 121, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 121, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 121, 111);  
box-shadow:4px 4px 4px 4px rgb(158, 121,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8072, 22.0915, 18.0482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 121, 111) }
```

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

```
.background{ background-color: rgb(158,  
121, 111) }
```

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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