

Converting Colors

XYZ(23.4511, 20.7752, 19.6963)

Have a look what the booklet for
XYZ(23.4511, 20.7752, 19.6963)
contains.

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Color

**XYZ(23.4422, 20.8149,
19.6118)**

Conversions

Conversions Part 1

Format	Color
Hex	9E7375
RGB	158, 115, 117
RGB Percent	62%, 45%, 46%
CMY	0.3804, 0.5490, 0.5412
CMYK	0.00, 0.27, 0.26, 0.38
HSL	357°, 18%, 54%
HSV	357°, 27%, 62%
XYZ	23.4422, 20.8149, 19.6118
YIQ	128.0850, 24.9860, 9.7380

Conversions

Conversions Part 2

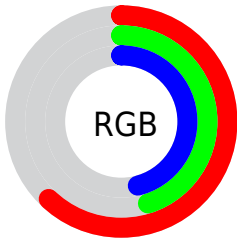
Format	Color
R _Y B	158, 115, 117
Decimal	10384245
CIE Lab	52.75, 17.24, 5.58
CIE LCh	53, 18.122, 17.931
Yxy	20.8149, 0.3670, 0.3259
Android (android.graphics.Color)	4288574325 (0xFF9E7375)
YUV	128.0850, -5.4649, 26.2355
Hunter-Lab	45.6233, 11.8761, 6.4498

Details

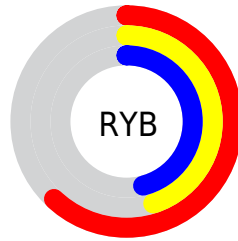
The XYZ color **23.4422, 20.8149, 19.6118** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.2987, 30.4994, 36.0076**, and the grayscale version is **20.5600, 21.6308, 23.5559**.

A 20% lighter version of the original color is **48.4207, 44.6481, 43.6020**, and **9.0252, 7.5082, 6.6038** is the 20% darker color. If you saturate the color by 10%, you get **20.9769, 17.1895, 14.7657**, and if you desaturate by 10%, it is **26.3601, 25.1169, 25.3126**.

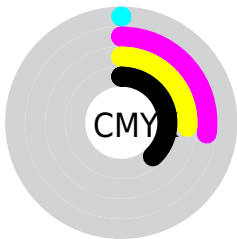
Distribution



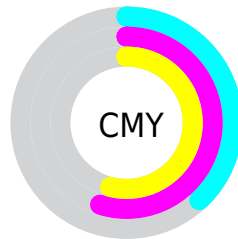
- Red (62%)
- Green (45%)
- Blue (46%)



- Red (62%)
- Yellow (45%)
- Blue (46%)



- Cyan (0%)
- Magenta (27%)
- Yellow (26%)
- Black (38%)





- Cyan (38%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4422, 20.8149, 19.6118 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 23.4422, 20.8149, 19.6118 by changing the saturation by 10% instead.


 23.4422, 20.8149,
19.6118


 23.4422, 20.8149,
19.6118


262.4813,
256.2932, 262.3401


 15.0429, 12.9888,
11.9319


 48.5797, 44.7793,
43.6158


 8.9360, 7.4208,
6.5754


 66.0486, 61.6863,
60.7769

 4.7562, 3.7266,
3.1236

 87.2714, 82.3891,
81.9355

 2.1382, 1.5219,
1.1581

 112.6135,
107.2720, 107.5102

 0.7099, 0.3040,
0.0000

142.4401,
136.7195, 137.9195

 0.0000, 0.0000,
0.0000

177.1167,

171.1159, 173.5818

217.0087,
210.8457, 214.9159

■ 23.4422, 20.8149,
19.6118

■ 23.4422, 20.8149,
19.6118

■ 20.9769, 17.1895,
14.7657

■ 26.3601, 25.1169,
25.3126

■ 18.9398, 14.2036,
10.7321

■ 29.7498, 30.1244,
31.9052

■ 17.3071, 11.8209,
7.4666

■ 33.6316, 35.8681,
39.4261

■ 16.0519, 10.0004,
4.9208

■ 38.0240, 42.3761,
47.9092

■ 15.1437, 8.6959,
3.0400

■ 42.9446, 49.6750,
57.3869

■ 14.5477, 7.8540,
1.7623

■ 48.4101, 57.7902,
67.8900

■ 14.2120, 7.3902,
1.0106

■ 54.4366, 66.7457,
79.4479

■ 14.1409, 7.2852,
0.8716

■ 61.0394, 76.5648,
92.0889

■ 67.5260, 85.8553,
105.6045

Harmonies

Analogous

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



23.5499, 20.8149, 24.9077



23.4422, 20.8149, 19.6118



22.3170, 20.8149, 15.7898

Triad

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



23.4422, 20.8149, 19.6118



17.2099, 20.8149, 16.3879



19.0347, 20.8149, 34.4250

Complementary

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



23.4422, 20.8149, 19.6118



25.2987, 30.4994, 36.0076

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.



17.4502, 20.8149, 31.2896



23.4422, 20.8149, 19.6118



16.4425, 20.8149, 20.5591

Square

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



23.4422, 20.8149, 19.6118



18.6874, 20.8149, 14.1425



16.5276, 20.8149, 26.0173



20.9226, 20.8149, 34.0627

Rectangle

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



23.4422, 20.8149, 19.6118



21.1793, 20.8149, 14.3308



16.5276, 20.8149, 26.0173



18.4513, 20.8149, 33.7269

Sweetspot

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



23.4428, 20.8159, 19.6122



53.4069, 53.7913, 56.7391



25.9842, 21.7840, 35.1832



11.8307, 11.8170, 12.3842



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.



23.4428, 20.8159, 19.6122



39.6000, 33.4290, 29.7815



25.7693, 25.6548, 19.8145



6.6449, 6.6509, 6.9813



11.3294, 5.8363, 0.7199



0.2058, 0.1057, 0.0300

Inverse Universe

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



23.4428, 20.8159, 19.6122



39.6000, 33.4290, 29.7815



22.4246, 24.4784, 35.8909



6.6449, 6.6509, 6.9813



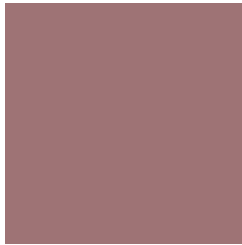
11.3294, 5.8363, 0.7199



0.2058, 0.1057, 0.0300

Previews

White Background



This preview shows how the XYZ color 23.4422, 20.8149, 19.6118 looks on a white background.

Color Contrast Check

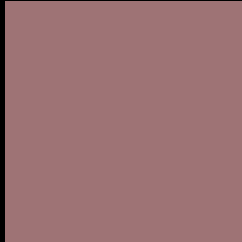
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4422, 20.8149, 19.6118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

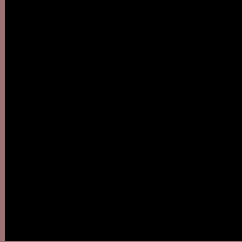
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4422, 20.8149, 19.6118

Background



This preview shows how black text looks on a background with the XYZ color 23.4422, 20.8149, 19.6118.



This preview shows how white text looks on a background with the XYZ color 23.4422, 20.8149,

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

23.4422, 20.8149, 19.6118

Protanopia

20.0893, 21.0189, 21.7371

Deuteranopia

21.2672, 20.9308, 19.4421



Tritanopia

23.8905, 20.8356, 21.5014

Trichromacy



Original Color

23.4422, 20.8149, 19.6118

Protanomaly

21.2259, 20.8750, 20.9997

Deuteranomaly

21.9620, 20.7505, 19.3707

Tritanomaly

23.7666, 20.7860, 20.8486

Monochromacy



Original Color

23.4422, 20.8149, 19.6118

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.3685, 21.1101, 22.0172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4422, 20.8149, 19.6118 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, 115, 117)` looks like.

```
.text, #text, p{  
    color:rgb(158, 115, 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(158, 115, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 115, 117) }
```

Border

The CSS property to change the border of an element to XYZ 23.4422, 20.8149, 19.6118 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, 115, 117) }
```


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

```
.border{ border-color:rgb(158, 115, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 115, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 115, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 115, 117);  
box-shadow:4px 4px 4px 4px rgb(158, 115,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4422, 20.8149, 19.6118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 115, 117) }
```

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

```
.background{ background-color: rgb(158,  
115, 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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