

Converting Colors

XYZ(23.4646, 21.8440, 18.0173)

Have a look what the booklet for
XYZ(23.4646, 21.8440, 18.0173)
contains.

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Color

**XYZ(23.4169, 21.8904,
18.0300)**

Conversions

Conversions Part 1

Format	Color
Hex	9C796F
RGB	156, 121, 111
RGB Percent	61%, 47%, 44%
CMY	0.3882, 0.5255, 0.5647
CMYK	0.00, 0.22, 0.29, 0.39
HSL	13°, 19%, 52%
HSV	13°, 29%, 61%
XYZ	23.4169, 21.8904, 18.0300
YIQ	130.3250, 24.0700, 4.3100

Conversions

Conversions Part 2

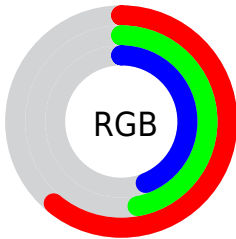
Format	Color
R_{YB}	156, 124, 111
Decimal	10254703
CIE Lab	53.91, 12.11, 10.71
CIE LCh	54, 16.166, 41.484
Yxy	21.8904, 0.3697, 0.3456
Android (android.graphics.Color)	4288444783 (0xFF9C796F)
YUV	130.3250, -9.5272, 22.5170
Hunter-Lab	46.7872, 7.4614, 9.9029

Details

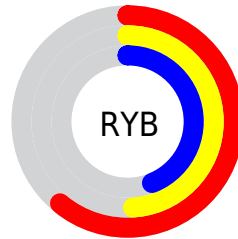
The XYZ color **23.4169, 21.8904, 18.0300** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.8348, 26.3366, 35.3324**, and the grayscale version is **21.3604, 22.4729, 24.4729**.

A 20% lighter version of the original color is **48.4184, 46.3804, 41.0507**, and **8.9235, 7.9367, 5.7642** is the 20% darker color. If you saturate the color by 10%, you get **21.2491, 18.8115, 13.4333**, and if you desaturate by 10%, it is **25.9213, 25.4023, 23.4795**.

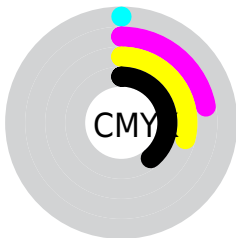
Distribution



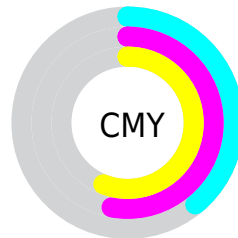
- Red (61%)
- Green (47%)
- Blue (44%)



- Red (61%)
- Yellow (49%)
- Blue (44%)



- Cyan (0%)
- Magenta (22%)
- Yellow (29%)
- Black (39%)





- Cyan (39%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4169, 21.8904, 18.0300 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 23.4169, 21.8904, 18.0300 by changing the saturation by 10% instead.

 23.4169, 21.8904,
18.0300


 23.4169, 21.8904,
18.0300


262.3546,
261.9734, 253.2819

 15.0240, 13.7764,
10.8019


 48.5386, 46.5648,
40.9031


 8.9227, 7.9653,
5.8213


 65.9982, 63.8940,
57.3851

 4.7475, 4.0728,
2.6697


 87.2107, 85.0636,
77.7888

 2.1331, 1.7143,
0.9281

 112.5414,
110.4582, 102.5328

 0.7071, 0.4329,
0.0000

142.3559,
140.4621, 132.0355

 0.0000, 0.0000,
0.0000

177.0193,

175.4596, 166.7156

216.8971,
215.8353, 206.9915

■ 23.4169, 21.8904,
18.0300

■ 23.4169, 21.8904,
18.0300

■ 21.2491, 18.8115,
13.4333

■ 25.9213, 25.4023,
23.4795

■ 19.4016, 16.1456,
9.6448

■ 28.7744, 29.3599,
29.8208

■ 17.8592, 13.8758,
6.6176

■ 31.9896, 33.7794,
37.0921

■ 16.6045, 11.9828,
4.2995

■ 35.5793, 38.6752,
45.3287

■ 15.6187, 10.4456,
2.6319

■ 39.5551, 44.0609,
54.5645

■ 14.8803, 9.2409,
1.5463

■ 43.9282, 49.9497,
64.8314

■ 14.3534, 8.3384,
0.9047

■ 48.7094, 56.3543,
76.1600

■ 14.3019, 8.2512,
0.8388

■ 53.9090, 63.2870,
88.5797

■ 59.5368, 70.7595,
102.1186

Harmonies

Analogous

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



24.2633, 21.8904, 21.9761



23.4169, 21.8904, 18.0300



21.8878, 21.8904, 15.8487

Triad

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



23.4169, 21.8904, 18.0300



17.7897, 21.8904, 20.9173



21.4800, 21.8904, 34.5224

Complementary

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



23.4169, 21.8904, 18.0300



22.8348, 26.3366, 35.3324

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.



19.7608, 21.8904, 34.1341



23.4169, 21.8904, 18.0300



17.6941, 21.8904, 25.7957

Square

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



23.4169, 21.8904, 18.0300



18.6659, 21.8904, 17.3482



18.3971, 21.8904, 30.7686



23.1041, 21.8904, 31.7653

Rectangle

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



23.4169, 21.8904, 18.0300



20.7196, 21.8904, 15.4759



18.3971, 21.8904, 30.7686



20.8930, 21.8904, 34.7646

Sweetspot

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



23.4175, 21.8914, 18.0304



52.0797, 53.0736, 53.7533



24.6026, 20.5201, 29.9604



11.2968, 11.4532, 11.4631



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.



23.4175, 21.8914, 18.0304



39.7720, 35.8481, 26.8688



26.4397, 27.9358, 19.0378



6.7467, 6.8735, 6.9568



11.8028, 6.8411, 0.6984



0.2388, 0.1779, 0.0218

Inverse Universe

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



22.8348, 26.3366, 35.3324



38.5194, 45.3347, 63.8470



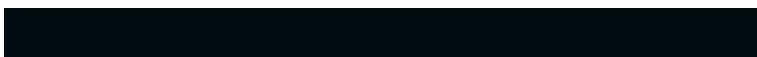
19.7329, 20.1328, 34.2984



6.6967, 7.2591, 8.4549



10.6333, 13.3581, 27.9252



0.2186, 0.2958, 0.5088

Previews

White Background



This preview shows how the XYZ color 23.4169, 21.8904, 18.0300 looks on a white background.

Color Contrast Check

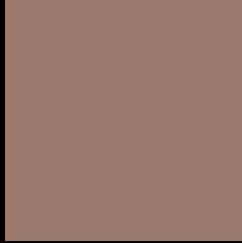
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4169, 21.8904, 18.0300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

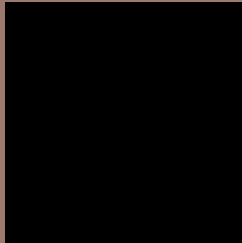
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4169, 21.8904, 18.0300

Background



This preview shows how black text looks on a background with the XYZ color 23.4169, 21.8904, 18.0300.



This preview shows how white text looks on a background with the XYZ color 23.4169, 21.8904,

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

23.4169, 21.8904, 18.0300

Protanopia

20.9364, 22.0892, 19.3798

Deuteranopia

22.2349, 21.8370, 17.7949



Tritanopia

24.5937, 22.0213, 23.3764

Trichromacy



Original Color

23.4169, 21.8904, 18.0300

Protanomaly

21.8258, 21.9763, 19.0111

Deuteranomaly

22.6599, 21.8710, 17.7791

Tritanomaly

24.1340, 22.0062, 21.3880

Monochromacy



Original Color

23.4169, 21.8904, 18.0300

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.8120, 22.0978, 21.8546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4169, 21.8904, 18.0300 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(156, 121, 111)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 121, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 121, 111) }
```

Border

The CSS property to change the border of an element to XYZ 23.4169, 21.8904, 18.0300 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(156, 121, 111) }
```


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

```
.border{ border-color:rgb(156, 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(156, 121, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 121, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 121, 111);  
box-shadow:4px 4px 4px 4px rgb(156, 121,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4169, 21.8904, 18.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 121, 111) }
```

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

```
.background{ background-color: rgb(156,  
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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