

Converting Colors

XYZ(18.3468, 17.0417, 8.5598)

Have a look what the booklet for
XYZ(18.3468, 17.0417, 8.5598)
contains.

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Color

**XYZ(18.3893, 16.9922,
8.6139)**

Conversions

Conversions Part 1

Format	Color
Hex	936A49
RGB	147, 106, 73
RGB Percent	58%, 42%, 29%
CMY	0.4235, 0.5843, 0.7137
CMYK	0.00, 0.28, 0.50, 0.42
HSL	27°, 34%, 43%
HSV	27°, 50%, 58%
XYZ	18.3893, 16.9922, 8.6139
YIQ	114.4970, 35.0290, -1.5710

Conversions

Conversions Part 2

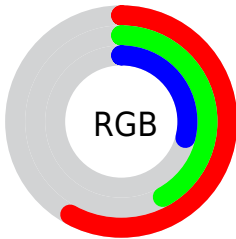
Format	Color
RYB	147, 133, 73
Decimal	9661001
CIELab	48.25, 12.25, 24.92
CIElCh	48, 27.766, 63.828
Yxy	16.9922, 0.4180, 0.3862
Android (android.graphics.Color)	4287851081 (0xFF936A49)
YUV	114.4970, -20.4580, 28.5051
Hunter-Lab	41.2216, 7.4926, 16.4655

Details

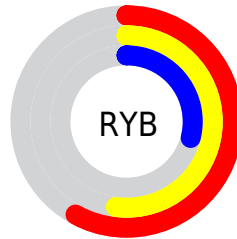
The XYZ color **18.3893, 16.9922, 8.6139** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.0311, 15.5570, 29.8670**, and the grayscale version is **16.1964, 17.0399, 18.5564**.

A 20% lighter version of the original color is **40.1984, 38.2156, 23.6700**, and **6.3897, 5.5915, 1.8411** is the 20% darker color. If you saturate the color by 10%, you get **17.1586, 15.2209, 6.0768**, and if you desaturate by 10%, it is **19.8157, 18.9707, 11.7850**.

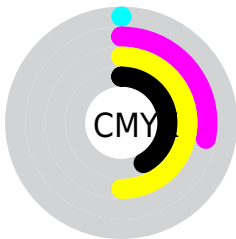
Distribution



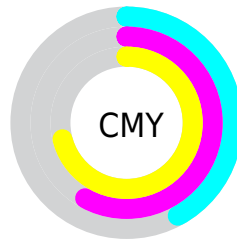
- Red (58%)
- Green (42%)
- Blue (29%)



- Red (58%)
- Yellow (52%)
- Blue (29%)



- Cyan (0%)
- Magenta (28%)
- Yellow (50%)
- Black (42%)



- Cyan (42%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3893, 16.9922, 8.6139 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 18.3893, 16.9922, 8.6139 by changing the saturation by 10% instead.

■ 18.3893, 16.9922,
8.6139

■ 18.3893, 16.9922,
8.6139

236.0596,
235.1274, 190.5817

■ 11.3312, 10.2289,
4.3969

■ 40.2245, 38.3124,
23.7192

■ 6.3590, 5.5510,
1.8455

■ 55.7323, 53.6380,
35.4445

■ 3.1073, 2.5740,
0.4577

■ 74.7874, 72.5867,
50.5096

■ 1.2108, 0.9136,
0.0000

■ 97.7551, 95.5426,
69.3331

■ 0.1148, 0.0000,
0.0000

■ 125.0009,
122.8902, 92.3335

■ 0.0000, 0.0000,
0.0000

156.8900,

155.0140, 119.9294

193.7878,
192.2983, 152.5393

■ 18.3893, 16.9922,
8.6139

■ 18.3893, 16.9922,
8.6139

■ 17.1586, 15.2209,
6.0768

■ 19.8157, 18.9707,
11.7850

■ 16.1121, 13.6465,
4.1286

■ 21.4463, 21.1612,
15.6291

■ 15.2383, 12.2616,
2.7196

■ 23.2902, 23.5712,
20.1829

■ 14.5241, 11.0569,
1.7913

■ 25.3557, 26.2073,
25.4806

■ 13.9553, 10.0484,
1.2040

■ 27.6508, 29.0755,
31.5537

■ 30.1827, 32.1819,
38.4321

■ 32.9585, 35.5321,
46.1442

■ 35.9850, 39.1315,
54.7168

■ 39.2685, 42.9856,
64.1756

Harmonies

Analogous

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



20.5314, 16.9922, 11.7871



18.3893, 16.9922, 8.6139



15.8284, 16.9922, 7.8026

Triad

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



18.3893, 16.9922, 8.6139



11.7724, 16.9922, 19.4460



19.0086, 16.9922, 32.6320

Complementary

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



18.3893, 16.9922, 8.6139



14.0311, 15.5570, 29.8670

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.



16.4771, 16.9922, 36.1436



18.3893, 16.9922, 8.6139



12.4420, 16.9922, 27.3775

Square

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



18.3893, 16.9922, 8.6139



12.1714, 16.9922, 13.0188



14.1013, 16.9922, 34.0067



20.9143, 16.9922, 25.3412

Rectangle

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



18.3893, 16.9922, 8.6139



14.2665, 16.9922, 8.4702



14.1013, 16.9922, 34.0067



18.1936, 16.9922, 34.3688

Sweetspot

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



18.3897, 16.9930, 8.6142



43.5201, 44.5366, 40.7478



17.5059, 12.2045, 17.6327



9.7746, 9.9619, 8.8925



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.3897, 16.9930, 8.6142



30.5480, 26.9921, 10.5289



22.9182, 26.0500, 10.1237



6.0010, 6.2158, 6.1239



12.1226, 8.7595, 1.0518



0.1771, 0.1646, 0.0224

Inverse Universe

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



14.0311, 15.5570, 29.8670



21.8405, 24.1069, 52.9366



10.7339, 8.9625, 28.7680



5.7499, 6.1337, 7.3506



7.1700, 7.0347, 24.9110



0.1172, 0.1450, 0.3147

Previews

White Background



This preview shows how the XYZ color 18.3893, 16.9922, 8.6139 looks on a white background.

Color Contrast Check

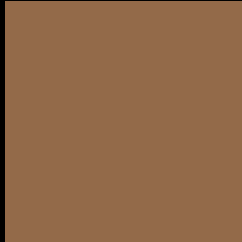
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.3893, 16.9922, 8.6139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

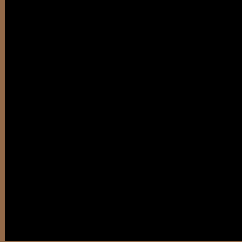
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3893, 16.9922, 8.6139

Background



This preview shows how black text looks on a background with the XYZ color 18.3893, 16.9922, 8.6139.



This preview shows how white text looks on a background with the XYZ color 18.3893, 16.9922,

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

18.3893, 16.9922, 8.6139

Protanopia

15.8927, 17.1432, 9.3088

Deuteranopia

17.3931, 17.1087, 8.5165



Tritanopia

19.9917, 16.8955, 16.6755

Trichromacy



Original Color

18.3893, 16.9922, 8.6139

Protanomaly

16.7370, 17.0829, 9.0718

Deuteranomaly

17.7937, 17.1559, 8.5045

Tritanomaly

19.3560, 16.9346, 13.3149

Monochromacy



Original Color

18.3893, 16.9922, 8.6139

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.5408, 16.7054, 14.1570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3893, 16.9922, 8.6139 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(147, 106, 73)` looks like.

```
.text, #text, p{  
    color:rgb(147, 106, 73)  
}
```

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(147, 106, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 106, 73) }
```

Border

The CSS property to change the border of an element to XYZ 18.3893, 16.9922, 8.6139 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(147, 106, 73) }
```


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

```
.border{ border-color:rgb(147, 106, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 106, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 106, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 106, 73);  
box-shadow:4px 4px 4px 4px rgb(147, 106,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3893, 16.9922, 8.6139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 106, 73) }
```

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

```
.background{ background-color: rgb(147,  
106, 73) }
```

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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