

Converting Colors

XYZ(18.7941, 18.0187, 9.5870)

Have a look what the booklet for
XYZ(18.7941, 18.0187, 9.5870)
contains.

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Color

**XYZ(18.7010, 17.9244,
9.4953)**

Conversions

Conversions Part 1

Format	Color
Hex	916F4D
RGB	145, 111, 77
RGB Percent	57%, 44%, 30%
CMY	0.4314, 0.5647, 0.6980
CMYK	0.00, 0.23, 0.47, 0.43
HSL	30°, 31%, 44%
HSV	30°, 47%, 57%
XYZ	18.7010, 17.9244, 9.4953
YIQ	117.2900, 31.1780, -3.3660

Conversions

Conversions Part 2

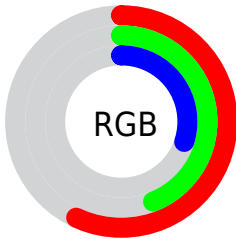
Format	Color
R_{YB}	145, 145, 77
Decimal	9531213
CIE _{Lab}	49.40, 8.90, 24.08
CIE _{LCh}	49, 25.666, 69.718
Yxy	17.9244, 0.4055, 0.3886
Android (android.graphics.Color)	4287721293 (0xFF916F4D)
YUV	117.2900, -19.8630, 24.3017
Hunter-Lab	42.3372, 4.7561, 16.3386

Details

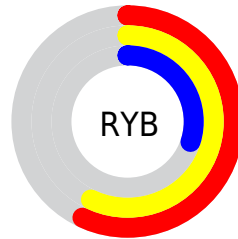
The XYZ color **18.7010, 17.9244, 9.4953** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.8556, 14.9904, 28.9511**, and the grayscale version is **17.0518, 17.9398, 19.5365**.

A 20% lighter version of the original color is **40.6825, 39.9801, 25.3114**, and **6.4519, 5.9346, 2.1719** is the 20% darker color. If you saturate the color by 10%, you get **17.4860, 16.2243, 6.8399**, and if you desaturate by 10%, it is **20.0953, 19.8003, 12.7740**.

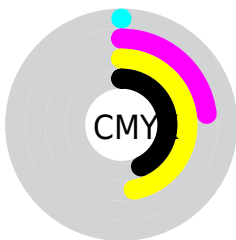
Distribution



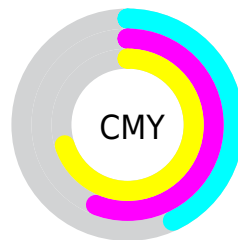
- Red (57%)
- Green (44%)
- Blue (30%)



- Red (57%)
- Yellow (57%)
- Blue (30%)



- Cyan (0%)
- Magenta (23%)
- Yellow (47%)
- Black (43%)



- Cyan (43%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7010, 17.9244, 9.4953 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 18.7010, 17.9244, 9.4953 by changing the saturation by 10% instead.

■ 18.7010, 17.9244,
9.4953

■ 18.7010, 17.9244,
9.4953

237.7630,
240.4446, 197.3831

■ 11.5572, 10.8957,
4.9644

■ 40.7490, 39.9085,
25.4346

■ 6.5129, 5.9968,
2.1680

■ 56.3839, 55.6326,
37.6801

■ 3.2030, 2.8431,
0.6558

■ 75.5799, 75.0241,
53.3342

■ 1.2620, 1.0504,
0.0000

■ 98.7023, 98.4673,
72.8155

■ 0.1545, 0.0000,
0.0000

■ 126.1164,
126.3465, 96.5425

■ 0.0000, 0.0000,
0.0000

158.1877,

159.0462, 124.9337

195.2814,
196.9508, 158.4078

■ 18.7010, 17.9244,
9.4953

■ 18.7010, 17.9244,
9.4953

■ 17.4860, 16.2243,
6.8399

■ 20.0953, 19.8003,
12.7740

■ 16.4396, 14.6914,
4.7657

■ 21.6759, 21.8551,
16.7120

■ 15.5523, 13.3198,
3.2272

■ 23.4512, 24.0951,
21.3440

■ 14.8123, 12.1023,
2.1714

■ 25.4284, 26.5254,
26.7018

■ 14.2013, 11.0289,
1.5096

■ 27.6146, 29.1510,
32.8152

■ 14.0273, 10.7203,
1.3299

■ 30.0161, 31.9765,
39.7125

■ 32.6394, 35.0064,
47.4203

■ 35.4903, 38.2452,
55.9641

■ 38.5747, 41.6969,
65.3683

Harmonies

Analogous

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



20.8723, 17.9244, 12.1794



18.7010, 17.9244, 9.4953



16.2631, 17.9244, 9.1079

Triad

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



18.7010, 17.9244, 9.4953



12.8495, 17.9244, 21.8537



20.1864, 17.9244, 31.6665

Complementary

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



18.7010, 17.9244, 9.4953



13.8556, 14.9904, 28.9511

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.



17.8342, 17.9244, 35.8188



18.7010, 17.9244, 9.4953



13.7022, 17.9244, 29.3310

Square

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



18.7010, 17.9244, 9.4953



13.0340, 17.9244, 15.2521



15.4740, 17.9244, 34.8754



21.7846, 17.9244, 24.5101

Rectangle

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



18.7010, 17.9244, 9.4953



14.8324, 17.9244, 10.0801



15.4740, 17.9244, 34.8754



19.4490, 17.9244, 33.5287

Sweetspot

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



18.7014, 17.9253, 9.4957



42.8846, 44.2511, 40.5951



17.2002, 12.4753, 16.5405



9.3927, 9.6613, 8.6360



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.7014, 17.9253, 9.4957



31.2601, 28.9770, 12.1348



23.1419, 26.8062, 10.9758



5.6177, 5.8417, 5.7208



12.0577, 9.2472, 1.1494



0.1373, 0.1324, 0.0183

Inverse Universe

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



13.8556, 14.9904, 28.9511



21.5068, 23.0699, 51.2930



10.8254, 8.9301, 27.9410



5.3383, 5.6725, 6.8423



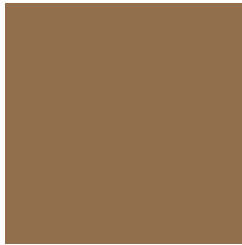
6.4249, 5.8357, 23.7649



0.0834, 0.0998, 0.2345

Previews

White Background



This preview shows how the XYZ color 18.7010, 17.9244, 9.4953 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 18.7010, 17.9244, 9.4953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

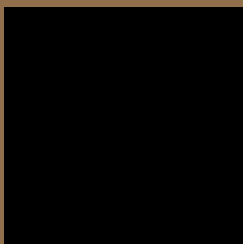
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7010, 17.9244, 9.4953

Background



This preview shows how black text looks on a background with the XYZ color 18.7010, 17.9244, 9.4953.



This preview shows how white text looks on a background with the XYZ color 18.7010, 17.9244,

9.4953.

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

18.7010, 17.9244, 9.4953

Protanopia

16.6788, 18.0481, 10.1940

Deuteranopia

18.4000, 18.0969, 9.5444



Tritanopia

20.4040, 17.8189, 18.2836

Trichromacy



Original Color

18.7010, 17.9244, 9.4953

Protanomaly

17.3735, 17.8943, 9.9354

Deuteranomaly

18.4614, 17.9638, 9.5155

Tritanomaly

19.7441, 17.8678, 14.7201

Monochromacy



Original Color

18.7010, 17.9244, 9.4953

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.2814, 17.7328, 15.0823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7010, 17.9244, 9.4953 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(145, 111, 77)` looks like.

```
.text, #text, p{  
    color:rgb(145, 111, 77)  
}
```

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(145, 111, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 111, 77) }
```

Border

The CSS property to change the border of an element to XYZ 18.7010, 17.9244, 9.4953 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(145, 111, 77) }
```


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

```
.border{ border-color:rgb(145, 111, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 111, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 111, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 111, 77);  
box-shadow:4px 4px 4px 4px rgb(145, 111,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7010, 17.9244, 9.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 111, 77) }
```

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

```
.background{ background-color: rgb(145,  
111, 77) }
```

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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