

Converting Colors

XYZ(18.1929, 16.3956, 8.0989)

Have a look what the booklet for
XYZ(18.1929, 16.3956, 8.0989)
contains.

XYZ(18.2003, 16.4513, 8.1774)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.2003, 16.4513,
8.1774)**

Conversions

Conversions Part 1

Format	Color
Hex	946747
RGB	148, 103, 71
RGB Percent	58%, 40%, 28%
CMY	0.4196, 0.5961, 0.7216
CMYK	0.00, 0.30, 0.52, 0.42
HSL	25°, 35%, 43%
HSV	25°, 52%, 58%
XYZ	18.2003, 16.4513, 8.1774
YIQ	112.8070, 37.0920, -0.4120

Conversions

Conversions Part 2

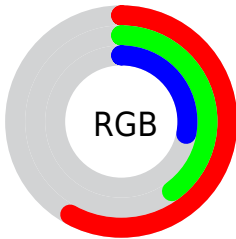
Format	Color
R_{YB}	148, 126, 71
Decimal	9725767
CIE _{Lab}	47.56, 14.22, 25.21
CIE _{LCh}	48, 28.942, 60.566
Yxy	16.4513, 0.4250, 0.3841
Android (android.graphics.Color)	4287915847 (0xFF946747)
YUV	112.8070, -20.6109, 30.8643
Hunter-Lab	40.5602, 9.1167, 16.4386

Details

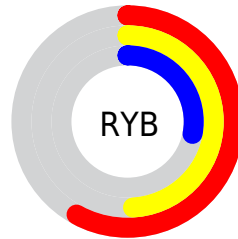
The XYZ color **18.2003, 16.4513, 8.1774** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.1889, 15.9678, 30.3511**, and the grayscale version is **15.6906, 16.5077, 17.9769**.

A 20% lighter version of the original color is **39.8476, 37.3046, 22.8696**, and **6.3199, 5.3358, 1.6741** is the 20% darker color. If you saturate the color by 10%, you get **16.9658, 14.6521, 5.7012**, and if you desaturate by 10%, it is **19.6403, 18.4764, 11.2933**.

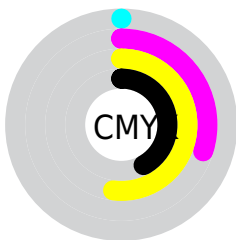
Distribution



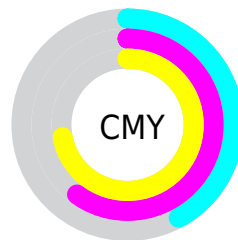
- Red (58%)
- Green (40%)
- Blue (28%)



- Red (58%)
- Yellow (49%)
- Blue (28%)



- Cyan (0%)
- Magenta (30%)
- Yellow (52%)
- Black (42%)



- Cyan (42%)
- Magenta (60%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2003, 16.4513, 8.1774 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 18.2003, 16.4513, 8.1774 by changing the saturation by 10% instead.

■ 18.2003, 16.4513,
8.1774

■ 18.2003, 16.4513,
8.1774

235.0214,
231.9902, 187.1032

■ 11.1944, 9.8441,
4.1193

■ 39.9057, 37.3799,
22.8574

■ 6.2660, 5.2957,
1.6910

■ 55.3361, 52.4701,
34.3163

■ 3.0497, 2.4218,
0.3546

■ 74.3052, 71.1567,
49.0793

■ 1.1801, 0.8371,
0.0000

■ 97.1786, 93.8242,
67.5648

■ 0.0906, 0.0000,
0.0000

■ 124.3216,
120.8569, 90.1914

■ 0.0000, 0.0000,
0.0000

156.0995,

152.6392, 117.3776

192.8776,
189.5555, 149.5420

■ 18.2003, 16.4513,
8.1774

■ 18.2003, 16.4513,
8.1774

■ 16.9658, 14.6521,
5.7012

■ 19.6403, 18.4764,
11.2933

■ 15.9244, 13.0676,
3.8177

■ 21.2949, 20.7332,
15.0892

■ 15.0639, 11.6890,
2.4751

■ 23.1740, 23.2303,
19.6034

■ 14.3698, 10.5059,
1.6119

■ 25.2865, 25.9750,
24.8708

■ 13.9089, 9.6884,
1.1370

■ 27.6407, 28.9744,
30.9243

■ 30.2445, 32.2351,
37.7944

■ 33.1055, 35.7636,
45.5105

■ 36.2309, 39.5661,
54.1000

■ 39.6277, 43.6487,
63.5896

Harmonies

Analogous

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



20.3032, 16.4513, 11.6214



18.2003, 16.4513, 8.1774



15.5876, 16.4513, 7.1391

Triad

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



18.2003, 16.4513, 8.1774



11.1862, 16.4513, 18.0533



18.2943, 16.4513, 33.1222

Complementary

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



18.2003, 16.4513, 8.1774



14.1889, 15.9678, 30.3511

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.



15.6855, 16.4513, 36.1818



18.2003, 16.4513, 8.1774



11.7459, 16.4513, 26.1425

Square

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



18.2003, 16.4513, 8.1774



11.7055, 16.4513, 11.8044



13.3255, 16.4513, 33.3339



20.3616, 16.4513, 25.8313

Rectangle

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



18.2003, 16.4513, 8.1774



13.9595, 16.4513, 7.6398



13.3255, 16.4513, 33.3339



17.4427, 16.4513, 34.7568

Sweetspot

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



18.2007, 16.4521, 8.1777



42.9653, 43.6983, 39.7267



17.6887, 12.0916, 18.2930



9.6509, 9.7711, 8.6773



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.



18.2007, 16.4521, 8.1777



29.6950, 25.4944, 9.6028



22.7720, 25.5947, 9.7015



5.9870, 6.1878, 6.1193



11.9063, 8.3270, 0.9797



0.1737, 0.1579, 0.0213

Inverse Universe

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



14.1889, 15.9678, 30.3511



21.8227, 24.5125, 53.0158



10.7184, 9.0267, 29.1943



5.7641, 6.1621, 7.3553



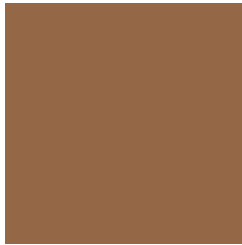
7.4688, 7.6324, 25.0106



0.1206, 0.1517, 0.3158

Previews

White Background



This preview shows how the XYZ color 18.2003, 16.4513, 8.1774 looks on a white background.

Color Contrast Check

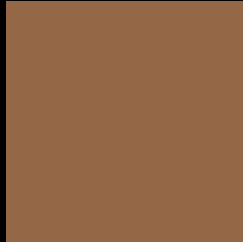
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2003, 16.4513, 8.1774 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 18.2003, 16.4513, 8.1774

Background



This preview shows how black text looks on a background with the XYZ color 18.2003, 16.4513, 8.1774.



This preview shows how white text looks on a background with the XYZ color 18.2003, 16.4513,

8.1774.

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

18.2003, 16.4513, 8.1774

Protanopia

15.3435, 16.5292, 9.0384

Deuteranopia

16.7846, 16.4857, 8.0918



Tritanopia

19.8259, 16.5436, 15.7840

Trichromacy



Original Color

18.2003, 16.4513, 8.1774

Protanomaly

16.2204, 16.3372, 8.7771

Deuteranomaly

17.2440, 16.4130, 8.0535

Tritanomaly

19.1106, 16.3887, 12.5120

Monochromacy



Original Color

18.2003, 16.4513, 8.1774

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.2774, 16.2547, 13.8348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2003, 16.4513, 8.1774 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(148, 103, 71) looks like.

```
.text, #text, p{  
    color:rgb(148, 103, 71)  
}
```

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(148, 103, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 103, 71) }
```

Border

The CSS property to change the border of an element to XYZ 18.2003, 16.4513, 8.1774 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(148, 103, 71) }
```


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

```
.border{ border-color:rgb(148, 103, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 103, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 103, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 103, 71);  
box-shadow:4px 4px 4px 4px rgb(148, 103,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2003, 16.4513, 8.1774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 103, 71) }
```

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

```
.background{ background-color: rgb(148,  
103, 71) }
```

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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