

Converting Colors

XYZ(16.8028, 15.7309, 8.1120)

Have a look what the booklet for
XYZ(16.8028, 15.7309, 8.1120)
contains.

XYZ(16.8028, 15.7309, 8.1120)	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(16.8028, 15.7309,
8.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	8C6747
RGB	140, 103, 71
RGB Percent	55%, 40%, 28%
CMY	0.4510, 0.5961, 0.7216
CMYK	0.00, 0.26, 0.49, 0.45
HSL	28°, 33%, 41%
HSV	28°, 49%, 55%
XYZ	16.8028, 15.7309, 8.1120
YIQ	110.4150, 32.3240, -2.1080

Conversions

Conversions Part 2

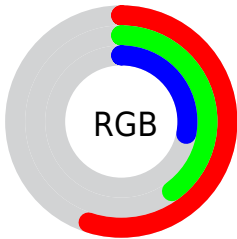
Format	Color
RYB	140, 131, 71
Decimal	9201479
CIELab	46.62, 10.71, 23.81
CIELCh	47, 26.106, 65.784
Yxy	15.7309, 0.4134, 0.3870
Android (android.graphics.Color)	4287391559 (0xFF8C6747)
YUV	110.4150, -19.4316, 25.9460
Hunter-Lab	39.6622, 6.2123, 15.6371




Details

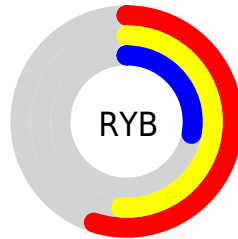
The XYZ color **16.8028, 15.7309, 8.1120** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.6945, 13.9575, 26.8359**, and the grayscale version is **14.9884, 15.7690, 17.1724**.




A 20% lighter version of the original color is **37.4514, 36.0694, 22.7575**, and **5.6251, 4.9776, 1.6416** is the 20% darker color. If you saturate the color by 10%, you get **15.6909, 14.1452, 5.7743**, and if you desaturate by 10%, it is **18.0861, 17.4937, 11.0179**.

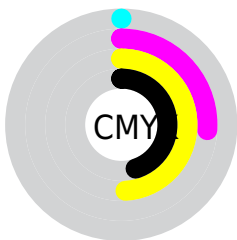
Distribution







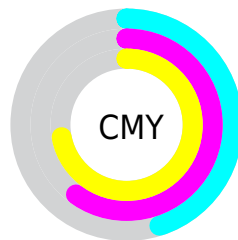
-  Red (55%)
-  Green (40%)
-  Blue (28%)






-  Red (55%)
-  Yellow (51%)
-  Blue (28%)



-  Cyan (0%)
-  Magenta (26%)
-  Yellow (49%)
-  Black (45%)





-  Cyan (45%)
-  Magenta (60%)
-  Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8028, 15.7309, 8.1120 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 16.8028, 15.7309, 8.1120 by changing the saturation by 10% instead.

 16.8028, 15.7309,
8.1120


 16.8028, 15.7309,
8.1120


227.2119,
227.7485, 186.5751


 10.1884, 9.3339,
4.0779


 37.5327, 36.1304,
22.7275


 5.5873, 4.9596,
1.6682

 52.3790, 50.9017,
34.1460


 2.6340, 2.2236,
0.3388

 70.6999, 69.2333,
48.8630

 0.9633, 0.7328,
0.0000

 92.8608, 91.5095,
67.2971

 0.0000, 0.0000,
0.0000

 119.2271,
118.1147, 89.8668

150.1642,

149.4334, 116.9907

186.0373,
185.8498, 149.0873

■ 16.8028, 15.7309,
8.1120

■ 16.8028, 15.7309,
8.1120

■ 15.6909, 14.1452,
5.7743

■ 18.0861, 17.4937,
11.0179

■ 14.7402, 12.7278,
3.9654

■ 19.5478, 19.4372,
14.5261

■ 13.9412, 11.4727,
2.6421

■ 21.1959, 21.5679,
18.6690

■ 13.2825, 10.3721,
1.7539

■ 23.0377, 23.8911,
23.4762

■ 12.7381, 9.4126,
1.1742

■ 25.0797, 26.4119,
28.9759

■ 12.7017, 9.3485,
1.1350

■ 27.3283, 29.1354,
35.1941

■ 29.7897, 32.0661,
42.1559

■ 32.4697, 35.2087,
49.8849

■ 35.3738, 38.5676,
58.4037

Harmonies

Analogous

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



18.7545, 15.7309, 10.8420



16.8028, 15.7309, 8.1120



14.5188, 15.7309, 7.5021

Triad

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



16.8028, 15.7309, 8.1120



11.0375, 15.7309, 18.4111



17.6347, 15.7309, 29.3140

Complementary

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



16.8028, 15.7309, 8.1120



12.6945, 13.9575, 26.8359

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.



15.3932, 15.7309, 32.7020



16.8028, 15.7309, 8.1120



11.7013, 15.7309, 25.4689

Square

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



16.8028, 15.7309, 8.1120



11.3339, 15.7309, 12.5206



13.2419, 15.7309, 31.1422



19.2676, 15.7309, 22.7469

Rectangle

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



16.8028, 15.7309, 8.1120



13.1429, 15.7309, 8.1996



13.2419, 15.7309, 31.1422



16.9193, 15.7309, 30.9287

Sweetspot

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



16.8032, 15.7317, 8.1123



38.6168, 39.6098, 36.1351



15.8261, 11.1851, 15.7788



8.7618, 8.9542, 7.9728



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.8032, 15.7317, 8.1123



27.4911, 24.6864, 9.8354



20.8343, 23.7940, 9.4560



5.2116, 5.4060, 5.3212



11.3055, 8.3454, 1.0150



0.0895, 0.0843, 0.0115

Inverse Universe

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



12.6945, 13.9575, 26.8359



19.3718, 21.1719, 46.8085



9.8112, 8.1911, 25.8748



4.9821, 5.3072, 6.3677



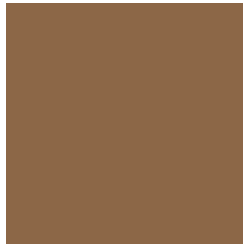
6.4655, 6.2013, 22.9019



0.0576, 0.0705, 0.1570

Previews

White Background



This preview shows how the XYZ color 16.8028, 15.7309, 8.1120 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 16.8028, 15.7309, 8.1120 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 16.8028, 15.7309, 8.1120

Background



This preview shows how black text looks on a background with the XYZ color 16.8028, 15.7309, 8.1120.



This preview shows how white text looks on a background with the XYZ color 16.8028, 15.7309,

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

16.8028, 15.7309, 8.1120

Protanopia

14.6662, 15.8564, 8.7662

Deuteranopia

16.0910, 15.8186, 7.9996



Tritanopia

18.3911, 15.8039, 15.7168

Trichromacy



Original Color

16.8028, 15.7309, 8.1120

Protanomaly

15.3176, 15.7182, 8.5299

Deuteranomaly

16.3104, 15.7796, 7.9805

Tritanomaly

17.6883, 15.6554, 12.4455

Monochromacy



Original Color

16.8028, 15.7309, 8.1120

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.2542, 15.4249, 13.2396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8028, 15.7309, 8.1120 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(140, 103, 71)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 103, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 103, 71) }
```

Border

The CSS property to change the border of an element to XYZ 16.8028, 15.7309, 8.1120 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(140, 103, 71) }
```


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

```
.border{ border-color:rgb(140, 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(140, 103, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 103, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 103, 71);  
box-shadow:4px 4px 4px 4px rgb(140, 103,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8028, 15.7309, 8.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 103, 71) }
```

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

```
.background{ background-color: rgb(140,  
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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