

Converting Colors

XYZ(16.8261, 15.0204, 8.1694)

Have a look what the booklet for
XYZ(16.8261, 15.0204, 8.1694)
contains.

XYZ(16.8651, 15.0429, 8.1456)	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(16.8651, 15.0429,
8.1456)**

Conversions

Conversions Part 1

Format	Color
Hex	8F6248
RGB	143, 98, 72
RGB Percent	56%, 38%, 28%
CMY	0.4392, 0.6157, 0.7176
CMYK	0.00, 0.31, 0.50, 0.44
HSL	22°, 33%, 42%
HSV	22°, 50%, 56%
XYZ	16.8651, 15.0429, 8.1456
YIQ	108.4910, 35.1660, 1.4540

Conversions

Conversions Part 2

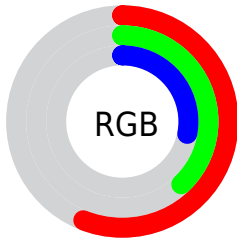
Format	Color
RYB	143, 113, 72
Decimal	9396808
CIELab	45.69, 15.05, 22.09
CIELCh	46, 26.733, 55.742
Yxy	15.0429, 0.4211, 0.3756
Android (android.graphics.Color)	4287586888 (0xFF8F6248)
YUV	108.4910, -17.9901, 30.2644
Hunter-Lab	38.7852, 9.7437, 14.6976

Details

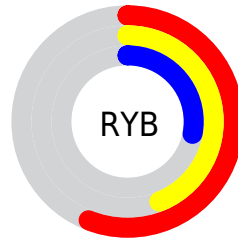
The XYZ color **16.8651, 15.0429, 8.1456** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.9914, 16.0828, 28.3534**, and the grayscale version is **14.4344, 15.1862, 16.5377**.

A 20% lighter version of the original color is **37.7518, 35.0175, 22.8585**, and **5.6099, 4.6252, 1.6957** is the 20% darker color. If you saturate the color by 10%, you get **15.6513, 13.2771, 5.7011**, and if you desaturate by 10%, it is **18.2842, 17.0457, 11.1943**.

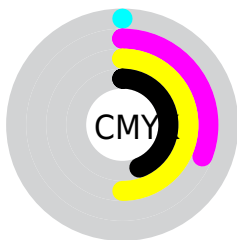
Distribution



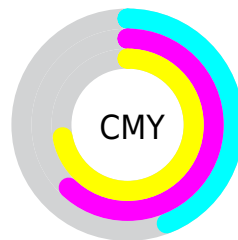
- Red (56%)
- Green (38%)
- Blue (28%)



- Red (56%)
- Yellow (44%)
- Blue (28%)



- Cyan (0%)
- Magenta (31%)
- Yellow (50%)
- Black (44%)



- Cyan (44%)
- Magenta (62%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8651, 15.0429, 8.1456 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 16.8651, 15.0429, 8.1456 by changing the saturation by 10% instead.

■ 16.8651, 15.0429,
8.1456

■ 16.8651, 15.0429,
8.1456

227.5652,
223.6257, 186.8466

■ 10.2331, 8.8495,
4.0991

■ 37.6391, 34.9284,
22.7943

■ 5.6172, 4.6431,
1.6799

■ 52.5118, 49.3893,
34.2335

■ 2.6522, 2.0394,
0.3469

■ 70.8622, 67.3749,
48.9742

■ 0.9726, 0.6302,
0.0000

■ 93.0554, 89.2694,
67.4347

■ 0.0000, 0.0000,
0.0000

■ 119.4570,
115.4574, 90.0337

150.4323,

146.3232, 117.1896

186.3466,
182.2512, 149.3211

■ 16.8651, 15.0429,
8.1456

■ 16.8651, 15.0429,
8.1456

■ 15.6513, 13.2771,
5.7011

■ 18.2842, 17.0457,
11.1943

■ 14.6309, 11.7366,
3.8185

■ 19.9175, 19.2921,
14.8837

■ 13.7922, 10.4119,
2.4517

■ 21.7745, 21.7911,
19.2483

■ 13.1217, 9.2920,
1.5465

■ 23.8639, 24.5507,
24.3200

■ 12.5895, 8.3588,
0.9643

■ 26.1939, 27.5784,
30.1287

■ 12.5724, 8.3290,
0.9450

■ 28.7722, 30.8815,
36.7023

■ 31.6062, 34.4669,
44.0676

■ 34.7030, 38.3413,
52.2498

■ 38.0694, 42.5111,
61.2732

Harmonies

Analogous

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



18.5443, 15.0429, 11.5797



16.8651, 15.0429, 8.1456



14.6204, 15.0429, 6.8926

Triad

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



16.8651, 15.0429, 8.1456



10.4144, 15.0429, 15.4793



16.2536, 15.0429, 30.2112

Complementary

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



16.8651, 15.0429, 8.1456



13.9914, 16.0828, 28.3534

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.



13.9801, 15.0429, 32.0390



16.8651, 15.0429, 8.1456



10.7548, 15.0429, 22.3496

Square

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



16.8651, 15.0429, 8.1456



11.0218, 15.0429, 10.3646



12.0053, 15.0429, 28.8532



18.1661, 15.0429, 24.3607

Rectangle

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



16.8651, 15.0429, 8.1456



13.1595, 15.0429, 7.1364



12.0053, 15.0429, 28.8532



15.4999, 15.0429, 31.3724

Sweetspot

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



16.8655, 15.0436, 8.1459



40.5639, 41.1075, 38.2471



16.9241, 11.7861, 18.5694



9.1430, 9.2160, 8.3863



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.



16.8655, 15.0436, 8.1459



27.7103, 23.3036, 9.5977



20.7962, 22.9052, 9.4561



5.5605, 5.7274, 5.7018



11.1351, 7.4018, 0.8418



0.1262, 0.1102, 0.0146

Inverse Universe

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



13.9914, 16.0828, 28.3534



21.9012, 25.3513, 50.2770



10.6971, 9.4942, 27.2553



5.3964, 5.7887, 6.8617



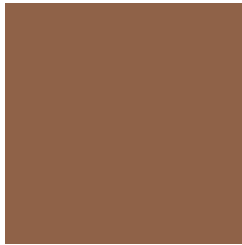
7.6838, 8.3537, 24.1845



0.0945, 0.1220, 0.2382

Previews

White Background



This preview shows how the XYZ color 16.8651, 15.0429, 8.1456 looks on a white background.

Color Contrast Check

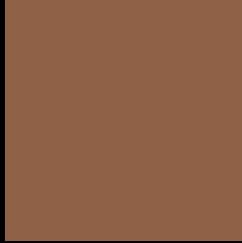
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8651, 15.0429, 8.1456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

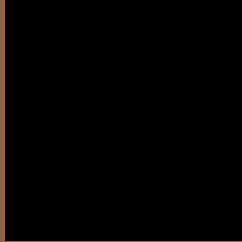
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8651, 15.0429, 8.1456

Background



This preview shows how black text looks on a background with the XYZ color 16.8651, 15.0429, 8.1456.



This preview shows how white text looks on a background with the XYZ color 16.8651, 15.0429,

8.1456.

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

16.8651, 15.0429, 8.1456

Protanopia

14.0032, 15.0288, 9.0003

Deuteranopia

15.2936, 15.1014, 8.0700



Tritanopia

18.0287, 14.9647, 14.2502

Trichromacy



Original Color

16.8651, 15.0429, 8.1456

Protanomaly

14.8245, 14.8442, 8.7405

Deuteranomaly

15.8804, 15.1086, 8.0405

Tritanomaly

17.4393, 14.8519, 11.6204

Monochromacy



Original Color

16.8651, 15.0429, 8.1456

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.9010, 14.7918, 12.8962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8651, 15.0429, 8.1456 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(143, 98, 72)` looks like.

```
.text, #text, p{  
    color:rgb(143, 98, 72)  
}
```

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(143, 98, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 98, 72) }
```

Border

The CSS property to change the border of an element to XYZ 16.8651, 15.0429, 8.1456 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(143, 98, 72) }
```


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

```
.border{ border-color:rgb(143, 98, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 98, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 98, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 98, 72);  
box-shadow:4px 4px 4px 4px rgb(143, 98,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8651, 15.0429, 8.1456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 98, 72) }
```

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

```
.background{ background-color: rgb(143, 98,  
72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor