

Converting Colors

XYZ(16.3050, 16.0929, 7.6485)

Have a look what the booklet for
XYZ(16.3050, 16.0929, 7.6485)
contains.

XYZ(16.2928, 16.0836, 7.7146)	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(16.2928, 16.0836,
7.7146)**

Conversions

Conversions Part 1

Format	Color
Hex	876B44
RGB	135, 107, 68
RGB Percent	53%, 42%, 27%
CMY	0.4706, 0.5804, 0.7333
CMYK	0.00, 0.21, 0.50, 0.47
HSL	35°, 33%, 40%
HSV	35°, 50%, 53%
XYZ	16.2928, 16.0836, 7.7146
YIQ	110.9260, 29.2070, -6.1930

Conversions

Conversions Part 2

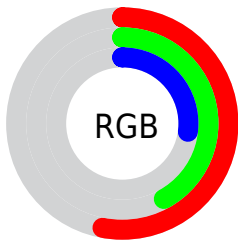
Format	Color
R_{YB}	116, 135, 68
Decimal	8874820
CIE Lab	47.08, 5.84, 26.01
CIE LCh	47, 26.654, 77.349
Yxy	16.0836, 0.4064, 0.4012
Android (android.graphics.Color)	4287064900 (0xFF876B44)
YUV	110.9260, -21.1625, 21.1129
Hunter-Lab	40.1044, 2.3348, 16.6678

Details

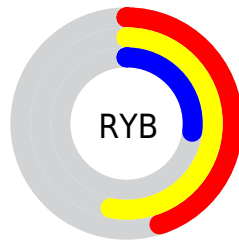
The XYZ color **16.2928, 16.0836, 7.7146** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.9399, 11.3437, 24.5348**, and the grayscale version is **15.1418, 15.9303, 17.3481**.

A 20% lighter version of the original color is **36.6730, 36.6852, 21.9777**, and **5.3378, 5.1326, 1.5200** is the 20% darker color. If you saturate the color by 10%, you get **15.3583, 14.7998, 5.5993**, and if you desaturate by 10%, it is **17.3614, 17.4837, 10.3432**.

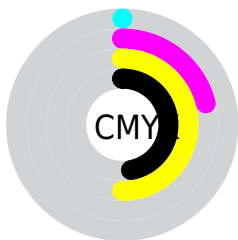
Distribution



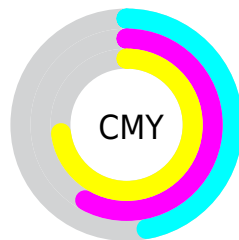
- Red (53%)
- Green (42%)
- Blue (27%)



- Red (45%)
- Yellow (53%)
- Blue (27%)



- Cyan (0%)
- Magenta (21%)
- Yellow (50%)
- Black (47%)



- Cyan (47%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2928, 16.0836, 7.7146 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 16.2928, 16.0836, 7.7146 by changing the saturation by 10% instead.

■ 16.2928, 16.0836,
7.7146

■ 16.2928, 16.0836,
7.7146

224.2999,
229.8345, 183.3262

■ 9.8237, 9.5833,
3.8277

■ 36.6591, 36.7433,
21.9339

■ 5.3436, 5.1236,
1.5313

■ 51.2871, 51.6715,
33.1034

■ 2.4871, 2.3200,
0.2411

■ 69.3655, 70.1778,
47.5375

■ 0.8887, 0.7842,
0.0000

■ 91.2595, 92.6466,
65.6547

■ 0.0000, 0.0000,
0.0000

■ 117.3346,
119.4622, 87.8737

147.9562,

151.0092, 114.6129

183.4895,
187.6718, 146.2909

■ 16.2928, 16.0836,
7.7146

■ 16.2928, 16.0836,
7.7146

■ 15.3583, 14.7998,
5.5993

■ 17.3614, 17.4837,
10.3432

■ 14.5494, 13.6259,
3.9612

■ 18.5695, 19.0015,
13.5158

■ 13.8583, 12.5581,
2.7611

■ 19.9238, 20.6414,
17.2618

■ 13.2754, 11.5915,
1.9532

■ 21.4300, 22.4068,
21.6083

■ 12.7758, 10.7147,
1.4092

■ 23.0936, 24.3009,
26.5807

■ 12.7580, 10.6835,
1.3897

■ 24.9196, 26.3268,
32.2026

■ 26.9130, 28.4874,
38.4968

■ 29.0783, 30.7855,
45.4848

■ 31.4201, 33.2239,
53.1870

Harmonies

Analogous

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



18.5395, 16.0836, 9.6473



16.2928, 16.0836, 7.7146



13.9853, 16.0836, 7.8738

Triad

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



16.2928, 16.0836, 7.7146



11.3850, 16.0836, 21.6388



18.8374, 16.0836, 27.7636

Complementary

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



16.2928, 16.0836, 7.7146



10.9399, 11.3437, 24.5348

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.



16.6671, 16.0836, 32.8997



16.2928, 16.0836, 7.7146



12.4390, 16.0836, 28.7907

Square

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



16.2928, 16.0836, 7.7146



11.3068, 16.0836, 14.8413



14.3234, 16.0836, 33.3173



20.1061, 16.0836, 20.4860

Rectangle

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



16.2928, 16.0836, 7.7146



12.7187, 16.0836, 9.1420



14.3234, 16.0836, 33.3173



18.1796, 16.0836, 29.8702

Sweetspot

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



16.2932, 16.0844, 7.7149



36.8036, 38.2939, 34.1194



14.2182, 10.1490, 12.5272



8.4105, 8.7356, 7.5784



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.2932, 16.0844, 7.7149



27.2396, 26.1291, 9.4652



18.9955, 22.5336, 8.8173



4.8809, 5.1054, 4.9576



11.7778, 9.8782, 1.2859



0.0480, 0.0487, 0.0069

Inverse Universe

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



10.9399, 11.3437, 24.5348



16.4581, 16.5955, 43.3842



9.1479, 7.2795, 23.8447



4.5825, 4.8407, 5.8936



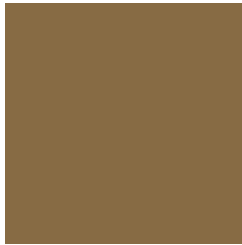
5.3679, 4.2836, 21.6806



0.0255, 0.0287, 0.0774

Previews

White Background



This preview shows how the XYZ color 16.2928, 16.0836, 7.7146 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 16.2928, 16.0836, 7.7146 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 16.2928, 16.0836, 7.7146

Background



This preview shows how black text looks on a background with the XYZ color 16.2928, 16.0836, 7.7146.



This preview shows how white text looks on a background with the XYZ color 16.2928, 16.0836,

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

16.2928, 16.0836, 7.7146

Protanopia

14.9257, 16.1681, 8.1284

Deuteranopia

16.2928, 16.0836, 7.7146



Tritanopia

18.2133, 16.1175, 16.9029

Trichromacy



Original Color

16.2928, 16.0836, 7.7146

Protanomaly

15.4025, 16.0936, 7.9248

Deuteranomaly

16.2928, 16.0836, 7.7146

Tritanomaly

17.4971, 16.1301, 13.0177

Monochromacy



Original Color

16.2928, 16.0836, 7.7146

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.3872, 15.9712, 13.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2928, 16.0836, 7.7146 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(135, 107, 68)` looks like.

```
.text, #text, p{  
    color:rgb(135, 107, 68)  
}
```

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(135, 107, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 107, 68) }
```

Border

The CSS property to change the border of an element to XYZ 16.2928, 16.0836, 7.7146 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(135, 107, 68) }
```


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

```
.border{ border-color:rgb(135, 107, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 107, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 107, 68); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 107, 68); box-shadow:4px 4px 4px 4px rgb(135, 107, 68) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2928, 16.0836, 7.7146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 107, 68) }
```

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

```
.background{ background-color: rgb(135,  
107, 68) }
```

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