

Converting Colors

XYZ(16.0183, 15.4913, 7.7810)

Have a look what the booklet for
XYZ(16.0183, 15.4913, 7.7810)
contains.

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Color

**XYZ(16.0162, 15.4812,
7.7743)**

Conversions

Conversions Part 1

Format	Color
Hex	876845
RGB	135, 104, 69
RGB Percent	53%, 41%, 27%
CMY	0.4706, 0.5921, 0.7294
CMYK	0.00, 0.23, 0.49, 0.47
HSL	32°, 32%, 40%
HSV	32°, 49%, 53%
XYZ	16.0162, 15.4812, 7.7743
YIQ	109.2790, 29.7110, -4.3130

Conversions

Conversions Part 2

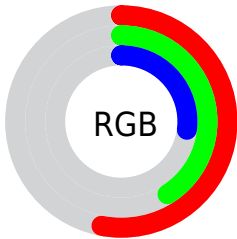
Format	Color
RYB	127, 135, 69
Decimal	8874053
CIELab	46.29, 7.69, 24.42
CIElCh	46, 25.602, 72.509
Yxy	15.4812, 0.4078, 0.3942
Android (android.graphics.Color)	4287064133 (0xFF876845)
YUV	109.2790, -19.8575, 22.5573
Hunter-Lab	39.3462, 3.8042, 15.8274

Details

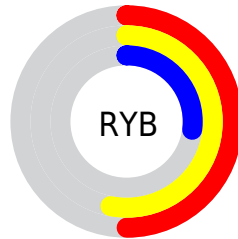
The XYZ color **16.0162, 15.4812, 7.7743** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.3845, 12.1285, 24.6627**, and the grayscale version is **14.6642, 15.4279, 16.8010**.

A 20% lighter version of the original color is **36.2266, 35.6978, 22.1206**, and **5.1953, 4.8312, 1.5228** is the 20% darker color. If you saturate the color by 10%, you get **15.0296, 14.1041, 5.6080**, and if you desaturate by 10%, it is **17.1469, 16.9940, 10.4595**.

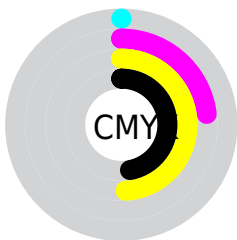
Distribution



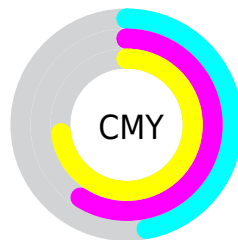
- Red (53%)
- Green (41%)
- Blue (27%)



- Red (50%)
- Yellow (53%)
- Blue (27%)



- Cyan (0%)
- Magenta (23%)
- Yellow (49%)
- Black (47%)



- Cyan (47%)
- Magenta (59%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0162, 15.4812, 7.7743 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 16.0162, 15.4812, 7.7743 by changing the saturation by 10% instead.

■ 16.0162, 15.4812,
7.7743

■ 16.0162, 15.4812,
7.7743

222.7058,
226.2606, 183.8189

■ 9.6265, 9.1578,
3.8652

■ 36.1835, 35.6952,
22.0536

■ 5.2124, 4.8443,
1.5517

■ 50.6919, 50.3545,
33.2609

■ 2.4085, 2.1562,
0.2560

■ 68.6373, 68.5613,
47.7379

■ 0.8493, 0.6959,
0.0000

■ 90.3849, 90.6999,
65.9033

■ 0.0000, 0.0000,
0.0000

■ 116.3003,
117.1548, 88.1755

146.7486,

148.3102, 114.9732

182.0953,
184.5507, 146.7148

■ 16.0162, 15.4812,
7.7743

■ 16.0162, 15.4812,
7.7743

■ 15.0296, 14.1041,
5.6080

■ 17.1469, 16.9940,
10.4595

■ 14.1784, 12.8556,
3.9247

■ 18.4276, 18.6446,
13.6942

■ 13.4545, 11.7314,
2.6856

■ 19.8651, 20.4379,
17.5078

■ 12.8482, 10.7259,
1.8451

■ 21.4653, 22.3778,
21.9274

■ 12.3368, 9.8281,
1.2899

■ 23.2340, 24.4682,
26.9781

■ 12.2831, 9.7337,
1.2314

■ 25.1766, 26.7125,
32.6839

■ 27.2981, 29.1143,
39.0672

■ 29.6035, 31.6769,
46.1497

■ 32.0974, 34.4036,
53.9519

Harmonies

Analogous

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



18.0408, 15.4812, 9.9520



16.0162, 15.4812, 7.7743



13.8213, 15.4812, 7.6135

Triad

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



16.0162, 15.4812, 7.7743



10.9755, 15.4812, 19.6049



17.7461, 15.4812, 27.3969

Complementary

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



16.0162, 15.4812, 7.7743



11.3845, 12.1285, 24.6627

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.



15.6452, 15.4812, 31.5779



16.0162, 15.4812, 7.7743



11.8243, 15.4812, 26.3854

Square

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



16.0162, 15.4812, 7.7743



11.0536, 15.4812, 13.4864



13.4852, 15.4812, 31.1675



19.1056, 15.4812, 20.7456

Rectangle

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



16.0162, 15.4812, 7.7743



12.5660, 15.4812, 8.5967



13.4852, 15.4812, 31.1675



17.0947, 15.4812, 29.2041

Sweetspot

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



16.0166, 15.4819, 7.7746



36.5585, 37.8039, 34.0377



14.4640, 10.3450, 13.5209



8.3477, 8.6099, 7.5574



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.



16.0166, 15.4819, 7.7746



26.6820, 24.9232, 9.5591



19.5538, 22.8178, 9.0041



4.8618, 5.0671, 4.9512



11.3400, 9.0025, 1.1400



0.0466, 0.0458, 0.0064

Inverse Universe

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



11.3845, 12.1285, 24.6627



17.3390, 18.1648, 43.6407



9.0345, 7.3116, 23.8568



4.6014, 4.8784, 5.8999



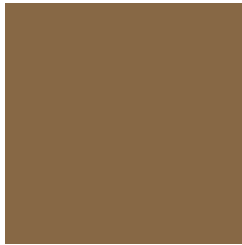
5.7056, 4.9589, 21.7931



0.0270, 0.0316, 0.0779

Previews

White Background



This preview shows how the XYZ color 16.0162, 15.4812, 7.7743 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 16.0162, 15.4812, 7.7743 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

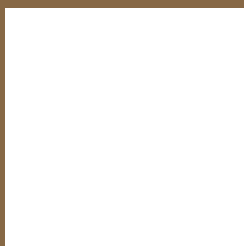
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0162, 15.4812, 7.7743

Background



This preview shows how black text looks on a background with the XYZ color 16.0162, 15.4812, 7.7743.



This preview shows how white text looks on a background with the XYZ color 16.0162, 15.4812,

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

16.0162, 15.4812, 7.7743

Protanopia

14.3210, 15.5287, 8.2038

Deuteranopia

15.7986, 15.5194, 7.7931



Tritanopia

17.5969, 15.3885, 15.9527

Trichromacy



Original Color

16.0162, 15.4812, 7.7743

Protanomaly

14.9255, 15.5273, 8.0048

Deuteranomaly

15.9573, 15.6012, 7.8005

Tritanomaly

16.9460, 15.4160, 12.4384

Monochromacy



Original Color

16.0162, 15.4812, 7.7743

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7493, 15.1751, 12.7414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0162, 15.4812, 7.7743 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, 104, 69)` looks like.

```
.text, #text, p{  
    color:rgb(135, 104, 69)  
}
```

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, 104, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 104, 69) }
```

Border

The CSS property to change the border of an element to XYZ 16.0162, 15.4812, 7.7743 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, 104, 69) }
```


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

```
.border{ border-color:rgb(135, 104, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 104, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 104, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 104, 69);  
box-shadow:4px 4px 4px 4px rgb(135, 104,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0162, 15.4812, 7.7743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 104, 69) }
```

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

```
.background{ background-color: rgb(135,  
104, 69) }
```

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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