

Converting Colors

XYZ(16.5914, 15.8456, 13.7965)

Have a look what the booklet for
XYZ(16.5914, 15.8456, 13.7965)
contains.

XYZ(16.6163, 15.8103, 13.7312)	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(16.6163, 15.8103,
13.7312)**

Conversions

Conversions Part 1

Format	Color
Hex	836962
RGB	131, 105, 98
RGB Percent	51%, 41%, 38%
CMY	0.4863, 0.5882, 0.6157
CMYK	0.00, 0.20, 0.25, 0.49
HSL	13°, 14%, 45%
HSV	13°, 25%, 51%
XYZ	16.6163, 15.8103, 13.7312
YIQ	111.9760, 17.7430, 3.3350

Conversions

Conversions Part 2

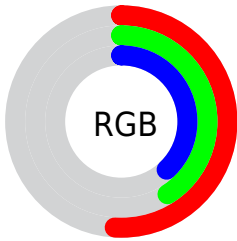
Format	Color
R_{YB}	131, 107, 98
Decimal	8612194
CIE Lab	46.72, 9.21, 7.85
CIE LCh	47, 12.104, 40.437
Yxy	15.8103, 0.3600, 0.3425
Android (android.graphics.Color)	4286802274 (0xFF836962)
YUV	111.9760, -6.8902, 16.6840
Hunter-Lab	39.7622, 5.0100, 7.3587

Details

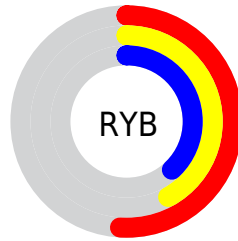
The XYZ color **16.6163, 15.8103, 13.7312** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.3413, 18.6503, 24.2115**, and the grayscale version is **15.4103, 16.2129, 17.6558**.

A 20% lighter version of the original color is **37.3209, 36.2611, 33.4658**, and **5.5262, 5.0234, 3.9272** is the 20% darker color. If you saturate the color by 10%, you get **15.0596, 13.6071, 10.4064**, and if you desaturate by 10%, it is **18.4027, 18.3107, 17.6325**.

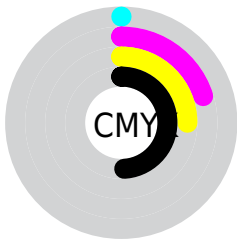
Distribution



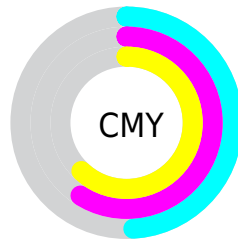
- Red (51%)
- Green (41%)
- Blue (38%)



- Red (51%)
- Yellow (42%)
- Blue (38%)



- Cyan (0%)
- Magenta (20%)
- Yellow (25%)
- Black (49%)



- Cyan (49%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6163, 15.8103, 13.7312 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 16.6163, 15.8103, 13.7312 by changing the saturation by 10% instead.

■ 16.6163, 15.8103,
13.7312

■ 16.6163, 15.8103,
13.7312

226.1510,
228.2197, 226.9221

■ 10.0549, 9.3900,
7.7973

■ 37.2137, 36.2686,
33.3215

■ 5.4979, 4.9964,
3.8796

■ 51.9805, 51.0753,
47.8151

■ 2.5800, 2.2452,
1.5595

■ 70.2131, 69.4464,
65.9990

■ 0.9358, 0.7445,
0.2617

■ 92.2769, 91.7661,
88.2918

■ 0.0000, 0.0000,
0.0000

118.5372,
118.4189, 115.1119

149.3594,

149.7892, 146.8780

185.1089,
186.2613, 184.0085

■ 16.6163, 15.8103,
13.7312

■ 16.6163, 15.8103,
13.7312

■ 15.0596, 13.6071,
10.4064

■ 18.4027, 18.3107,
17.6325

■ 13.7219, 11.6877,
7.6296

■ 20.4264, 21.1165,
22.1348

■ 12.5935, 10.0412,
5.3715

■ 22.6963, 24.2383,
27.2625

■ 11.6632, 8.6550,
3.5995

■ 25.2203, 27.6859,
33.0384

■ 10.9192, 7.5154,
2.2775

■ 28.0062, 31.4681,
39.4841

■ 10.3480, 6.6074,
1.3641

■ 31.0612, 35.5937,
46.6201

■ 9.9319, 5.9137,
0.7989

■ 34.3924, 40.0712,
54.4660

■ 9.7706, 5.6463,
0.5749

■ 38.0065, 44.9087,
63.0410

■ 41.9101, 50.1141,
72.3630

Harmonies

Analogous

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



17.1008, 15.8103, 16.1887



16.6163, 15.8103, 13.7312



15.7132, 15.8103, 12.3224

Triad

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



16.6163, 15.8103, 13.7312



13.2045, 15.8103, 15.3509



15.3958, 15.8103, 23.5479

Complementary

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



16.6163, 15.8103, 13.7312



16.3413, 18.6503, 24.2115

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.



14.3615, 15.8103, 23.2559



16.6163, 15.8103, 13.7312



13.1284, 15.8103, 18.2832

Square

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



16.6163, 15.8103, 13.7312



13.7558, 15.8103, 13.1795



13.5428, 15.8103, 21.2426



16.3747, 15.8103, 21.9995

Rectangle

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



16.6163, 15.8103, 13.7312



15.0118, 15.8103, 12.0575



13.5428, 15.8103, 21.2426



15.0426, 15.8103, 23.6658

Sweetspot

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



16.6167, 15.8110, 13.7315



35.4484, 36.2518, 37.1088



17.3914, 15.0263, 21.1856



8.1379, 8.2806, 8.3828



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.6167, 15.8110, 13.7315



28.1730, 26.0782, 21.1894



18.4144, 19.4064, 14.3308



4.7468, 4.8372, 4.9129



9.6193, 5.5613, 0.5664



0.0378, 0.0282, 0.0035

Inverse Universe

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



16.3413, 18.6503, 24.2115



27.5923, 32.0313, 43.1815



14.4860, 14.9396, 23.5931



4.7200, 5.1156, 5.9394



8.8287, 11.2052, 22.8342



0.0358, 0.0492, 0.0808

Previews

White Background



This preview shows how the XYZ color 16.6163, 15.8103, 13.7312 looks on a white background.

Color Contrast Check

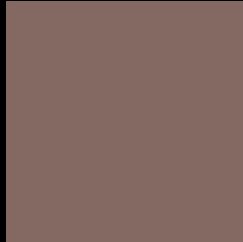
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6163, 15.8103, 13.7312 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 16.6163, 15.8103, 13.7312

Background



This preview shows how black text looks on a background with the XYZ color 16.6163, 15.8103, 13.7312.

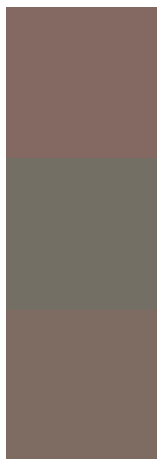


This preview shows how white text looks on a background with the XYZ color 16.6163, 15.8103,

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

16.6163, 15.8103, 13.7312

Protanopia

15.1036, 15.9533, 14.5952

Deuteranopia

16.0665, 15.8329, 13.7645



Tritanopia

17.2352, 15.7537, 17.1713

Trichromacy



Original Color

16.6163, 15.8103, 13.7312

Protanomaly

15.6540, 15.9223, 14.3049

Deuteranomaly

16.2607, 15.7791, 13.7439

Tritanomaly

17.0676, 15.8468, 15.7948

Monochromacy



Original Color

16.6163, 15.8103, 13.7312

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7302, 15.9208, 16.1539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6163, 15.8103, 13.7312 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(131, 105, 98)` looks like.

```
.text, #text, p{  
    color:rgb(131, 105, 98)  
}
```

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(131, 105, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 105, 98) }
```

Border

The CSS property to change the border of an element to XYZ 16.6163, 15.8103, 13.7312 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(131, 105, 98) }
```


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

```
.border{ border-color:rgb(131, 105, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 105, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 105, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 105, 98);  
box-shadow:4px 4px 4px 4px rgb(131, 105,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6163, 15.8103, 13.7312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 105, 98) }
```

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

```
.background{ background-color: rgb(131,  
105, 98) }
```

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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