

Converting Colors

XYZ(16.7408, 15.7946, 10.4365)

Have a look what the booklet for
XYZ(16.7408, 15.7946, 10.4365)
contains.

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Color

**XYZ(16.6650, 15.7594,
10.3471)**

Conversions

Conversions Part 1

Format	Color
Hex	886853
RGB	136, 104, 83
RGB Percent	53%, 41%, 33%
CMY	0.4667, 0.5921, 0.6745
CMYK	0.00, 0.24, 0.39, 0.47
HSL	24°, 24%, 43%
HSV	24°, 39%, 53%
XYZ	16.6650, 15.7594, 10.3471
YIQ	111.1740, 25.8130, 0.2530

Conversions

Conversions Part 2

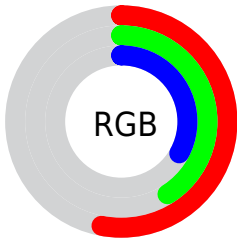
Format	Color
R_{YB}	136, 118, 83
Decimal	8939603
CIE _{Lab}	46.66, 9.78, 16.76
CIE _{LCh}	47, 19.405, 59.749
Yxy	15.7594, 0.3896, 0.3685
Android (android.graphics.Color)	4287129683 (0xFF886853)
YUV	111.1740, -13.8898, 21.7724
Hunter-Lab	39.6981, 5.4614, 12.3351

Details

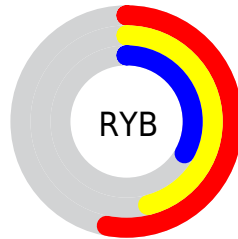
The XYZ color **16.6650, 15.7594, 10.3471** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.1417, 15.8775, 25.6119**, and the grayscale version is **15.1941, 15.9854, 17.4081**.

A 20% lighter version of the original color is **37.1902, 36.0833, 27.1949**, and **5.5593, 4.9975, 2.5053** is the 20% darker color. If you saturate the color by 10%, you get **15.4040, 13.9969, 7.5855**, and if you desaturate by 10%, it is **18.1103, 17.7255, 13.6788**.

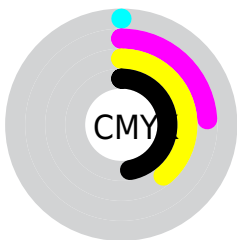
Distribution



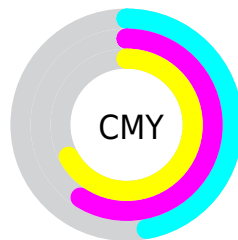
- Red (53%)
- Green (41%)
- Blue (33%)



- Red (53%)
- Yellow (46%)
- Blue (33%)



- Cyan (0%)
- Magenta (24%)
- Yellow (39%)
- Black (47%)



- Cyan (47%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6650, 15.7594, 10.3471 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 16.6650, 15.7594, 10.3471 by changing the saturation by 10% instead.

■ 16.6650, 15.7594,
10.3471

■ 16.6650, 15.7594,
10.3471

226.4285,
227.9178, 203.7057

■ 10.0898, 9.3541,
5.5211

■ 37.2971, 36.1800,
27.0643

■ 5.5212, 4.9728,
2.4921

■ 52.0846, 50.9641,
39.7926

■ 2.5941, 2.2313,
0.8360

■ 70.3403, 69.3098,
55.9920

■ 0.9429, 0.7370,
0.0000

■ 92.4295, 91.6016,
76.0812

■ 0.0000, 0.0000,
0.0000

■ 118.7176,
118.2240, 100.4786

149.5699,

149.5612, 129.6028

185.3517,
185.9976, 163.8723

■ 16.6650, 15.7594,
10.3471

■ 16.6650, 15.7594,
10.3471

■ 15.4040, 13.9969,
7.5855

■ 18.1103, 17.7255,
13.6788

■ 14.3179, 12.4289,
5.3603

■ 19.7464, 19.8997,
17.6095

■ 13.3978, 11.0486,
3.6358

■ 21.5812, 22.2890,
22.1676

■ 12.6337, 9.8480,
2.3717

■ 23.6213, 24.8994,
27.3790

■ 12.0144, 8.8183,
1.5208

■ 25.8733, 27.7366,
33.2685

■ 11.5149, 7.9451,
0.9669

■ 28.3436, 30.8063,
39.8595

■ 11.4676, 7.8628,
0.9133

■ 31.0379, 34.1136,
47.1740

■ 33.9620, 37.6638,
55.2334

■ 37.1215, 41.4618,
64.0581

Harmonies

Analogous

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



17.9605, 15.7594, 12.9679



16.6650, 15.7594, 10.3471



14.9930, 15.7594, 9.4742

Triad

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



16.6650, 15.7594, 10.3471



11.9766, 15.7594, 17.1188



16.6387, 15.7594, 26.5044

Complementary

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



16.6650, 15.7594, 10.3471



14.1417, 15.8775, 25.6119

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.



14.9647, 15.7594, 28.1662



16.6650, 15.7594, 10.3471



12.3469, 15.7594, 22.1685

Square

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



16.6650, 15.7594, 10.3471



12.3594, 15.7594, 12.9098



13.4104, 15.7594, 26.4502



17.9445, 15.7594, 22.2520

Rectangle

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



16.6650, 15.7594, 10.3471



13.9142, 15.7594, 9.8449



13.4104, 15.7594, 26.4502



16.0965, 15.7594, 27.4163

Sweetspot

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



16.6654, 15.7601, 10.3474



36.9291, 37.8519, 36.2980



16.3807, 12.6745, 18.0098



8.4700, 8.6590, 8.2009



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.



16.6654, 15.7601, 10.3474



27.3443, 24.9472, 13.7890



19.6730, 21.7754, 11.3500



5.1849, 5.3526, 5.3123



10.8624, 7.4592, 0.8673



0.0858, 0.0768, 0.0103

Inverse Universe

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



14.1417, 15.8775, 25.6119



22.2207, 25.1716, 44.7358



11.5990, 10.7920, 24.7643



5.0093, 5.3615, 6.3767



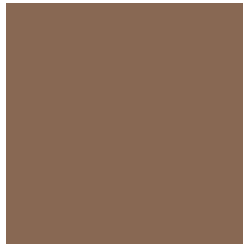
7.0786, 7.4275, 23.1062



0.0614, 0.0780, 0.1583

Previews

White Background



This preview shows how the XYZ color 16.6650, 15.7594, 10.3471 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 16.6650, 15.7594, 10.3471 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 16.6650, 15.7594, 10.3471

Background



This preview shows how black text looks on a background with the XYZ color 16.6650, 15.7594, 10.3471.



This preview shows how white text looks on a background with the XYZ color 16.6650, 15.7594,

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

16.6650, 15.7594, 10.3471

Protanopia

14.8354, 15.8923, 11.0897

Deuteranopia

16.0754, 15.7579, 10.3779



Tritanopia

17.8417, 15.7933, 16.2954

Trichromacy



Original Color

16.6650, 15.7594, 10.3471

Protanomaly

15.4597, 15.7410, 10.8178

Deuteranomaly

16.2858, 15.7142, 10.3584

Tritanomaly

17.3200, 15.7220, 13.9262

Monochromacy



Original Color

16.6650, 15.7594, 10.3471

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4573, 15.6578, 14.5195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6650, 15.7594, 10.3471 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(136, 104, 83)` looks like.

```
.text, #text, p{  
    color:rgb(136, 104, 83)  
}
```

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(136, 104, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 104, 83) }
```

Border

The CSS property to change the border of an element to XYZ 16.6650, 15.7594, 10.3471 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(136, 104, 83) }
```


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

```
.border{ border-color:rgb(136, 104, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 104, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 104, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 104, 83);  
box-shadow:4px 4px 4px 4px rgb(136, 104,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6650, 15.7594, 10.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 104, 83) }
```

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

```
.background{ background-color: rgb(136,  
104, 83) }
```

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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