

Converting Colors

XYZ(16.3002, 15.7082, 10.5827)

Have a look what the booklet for
XYZ(16.3002, 15.7082, 10.5827)
contains.

XYZ(16.3247, 15.7298, 10.5633)	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(16.3247, 15.7298,
10.5633)**

Conversions

Conversions Part 1

Format	Color
Hex	856954
RGB	133, 105, 84
RGB Percent	52%, 41%, 33%
CMY	0.4784, 0.5882, 0.6706
CMYK	0.00, 0.21, 0.37, 0.48
HSL	26°, 23%, 43%
HSV	26°, 37%, 52%
XYZ	16.3247, 15.7298, 10.5633
YIQ	110.9780, 23.4290, -0.5950

Conversions

Conversions Part 2

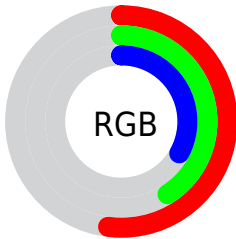
Format	Color
R_{YB}	133, 121, 84
Decimal	8743252
CIE _{Lab}	46.62, 8.03, 16.06
CIE _{LCh}	47, 17.957, 63.448
Yxy	15.7298, 0.3830, 0.3691
Android (android.graphics.Color)	4286933332 (0xFF856954)
YUV	110.9780, -13.3002, 19.3133
Hunter-Lab	39.6608, 4.0656, 11.9712

Details

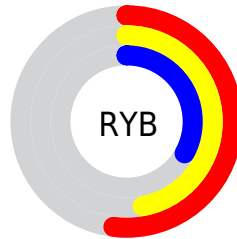
The XYZ color **16.3247, 15.7298, 10.5633** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.6838, 15.1662, 24.3965**, and the grayscale version is **15.1360, 15.9242, 17.3415**.

A 20% lighter version of the original color is **36.6851, 36.0630, 27.5816**, and **5.3589, 4.9664, 2.5956** is the 20% darker color. If you saturate the color by 10%, you get **15.1128, 14.0620, 7.8288**, and if you desaturate by 10%, it is **17.7055, 17.5771, 13.8426**.

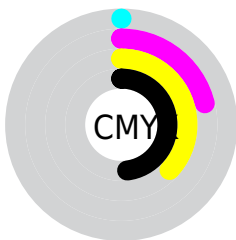
Distribution



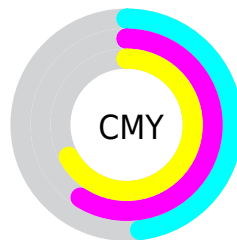
- Red (52%)
- Green (41%)
- Blue (33%)



- Red (52%)
- Yellow (47%)
- Blue (33%)



- Cyan (0%)
- Magenta (21%)
- Yellow (37%)
- Black (48%)





- Cyan (48%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3247, 15.7298, 10.5633 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 16.3247, 15.7298, 10.5633 by changing the saturation by 10% instead.


 16.3247, 15.7298,
10.5633


 16.3247, 15.7298,
10.5633


224.4831,
227.7420, 205.2752


 9.8465, 9.3332,
5.6636


 36.7139, 36.1285,
27.4740


 5.3588, 4.9591,
2.5761

 51.3556, 50.8993,
40.3219


 2.4962, 2.2233,
0.8801

 69.4492, 69.2303,
56.6564

 0.8933, 0.7327,
0.0000

 91.3601, 91.5059,
76.8960

 0.0000, 0.0000,
0.0000

 117.4535,
118.1105, 101.4591

148.0950,

149.4284, 130.7643

183.6497,
185.8441, 165.2302

■ 16.3247, 15.7298,
10.5633

■ 16.3247, 15.7298,
10.5633

■ 15.1128, 14.0620,
7.8288

■ 17.7055, 17.5771,
13.8426

■ 14.0612, 12.5655,
5.6078

■ 19.2610, 19.6071,
17.6934

■ 13.1623, 11.2348,
3.8677

■ 20.9980, 21.8258,
22.1421

■ 12.4071, 10.0634,
2.5711

■ 22.9227, 24.2384,
27.2130

■ 11.7856, 9.0438,
1.6756

■ 25.0408, 26.8496,
32.9289

■ 11.2809, 8.1658,
1.1022

■ 27.3580, 29.6641,
39.3118

■ 11.1364, 7.9136,
0.9405

■ 29.8795, 32.6863,
46.3822

■ 32.6105, 35.9207,
54.1601

■ 35.5559, 39.3714,
62.6645

Harmonies

Analogous

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



17.5814, 15.7298, 12.8353



16.3247, 15.7298, 10.5633



14.7720, 15.7298, 9.9343

Triad

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



16.3247, 15.7298, 10.5633



12.1655, 15.7298, 17.6462



16.6565, 15.7298, 25.2934

Complementary

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



16.3247, 15.7298, 10.5633



13.6838, 15.1662, 24.3965

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.



15.1309, 15.7298, 27.1525



16.3247, 15.7298, 10.5633



12.5965, 15.7298, 22.2826

Square

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



16.3247, 15.7298, 10.5633



12.4371, 15.7298, 13.5838



13.6561, 15.7298, 25.9657



17.7821, 15.7298, 21.2384

Rectangle

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



16.3247, 15.7298, 10.5633



13.7945, 15.7298, 10.4221



13.6561, 15.7298, 25.9657



16.1698, 15.7298, 26.2248

Sweetspot

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



16.3251, 15.7305, 10.5636



36.1910, 37.2916, 36.0049



15.8006, 12.5103, 17.0822



8.0750, 8.3012, 7.9105



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.



16.3251, 15.7305, 10.5636



27.4416, 25.7088, 14.8507



19.1125, 21.3053, 11.4927



4.8245, 4.9926, 4.9388



10.6153, 7.5533, 0.8984



0.0438, 0.0402, 0.0054

Inverse Universe

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



13.6838, 15.1662, 24.3965



22.0028, 24.5404, 43.3155



11.3866, 10.5716, 23.6307



4.6388, 4.9533, 5.9123



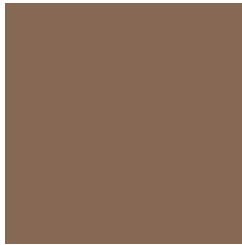
6.5019, 6.5517, 22.0586



0.0298, 0.0372, 0.0788

Previews

White Background



This preview shows how the XYZ color 16.3247, 15.7298, 10.5633 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 16.3247, 15.7298, 10.5633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

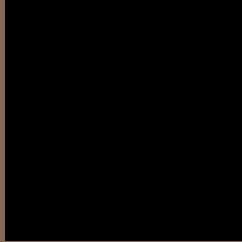
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3247, 15.7298, 10.5633

Background



This preview shows how black text looks on a background with the XYZ color 16.3247, 15.7298, 10.5633.



This preview shows how white text looks on a background with the XYZ color 16.3247, 15.7298,

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

16.3247, 15.7298, 10.5633

Protanopia

14.8760, 15.9086, 11.3034

Deuteranopia

15.9602, 15.6940, 10.5756



Tritanopia

17.6650, 15.8411, 16.5946

Trichromacy



Original Color

16.3247, 15.7298, 10.5633

Protanomaly

15.3167, 15.8201, 11.0504

Deuteranomaly

16.1143, 15.7735, 10.5828

Tritanomaly

17.1422, 15.7715, 14.1973

Monochromacy



Original Color

16.3247, 15.7298, 10.5633

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4254, 15.7988, 14.5484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3247, 15.7298, 10.5633 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(133, 105, 84)` looks like.

```
.text, #text, p{  
    color:rgb(133, 105, 84)  
}
```

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(133, 105, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 105, 84) }
```

Border

The CSS property to change the border of an element to XYZ 16.3247, 15.7298, 10.5633 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(133, 105, 84) }
```


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

```
.border{ border-color:rgb(133, 105, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 105, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 105, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 105, 84);  
box-shadow:4px 4px 4px 4px rgb(133, 105,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3247, 15.7298, 10.5633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 105, 84) }
```

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

```
.background{ background-color: rgb(133,  
105, 84) }
```

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