

# Converting Colors

XYZ(17.0255, 16.7357, 14.2505)

Have a look what the booklet for  
XYZ(17.0255, 16.7357, 14.2505)  
contains.

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# Color

**XYZ(17.0340, 16.7985,  
14.1490)**

# Conversions

Conversions Part 1	
Format	Color
Hex	826E63
RGB	130, 110, 99
RGB Percent	51%, 43%, 39%
CMY	0.4902, 0.5686, 0.6118
CMYK	0.00, 0.15, 0.24, 0.49
HSL	21°, 14%, 45%
HSV	21°, 24%, 51%
XYZ	17.0340, 16.7985, 14.1490
YIQ	114.7260, 15.4510, 0.8190

# Conversions

## Conversions Part 2

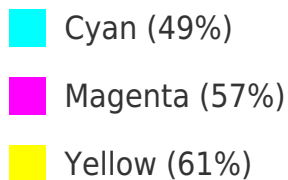
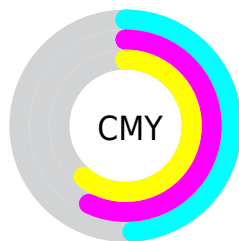
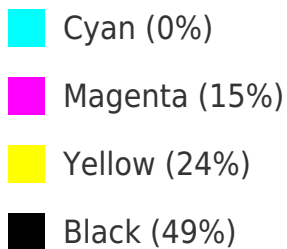
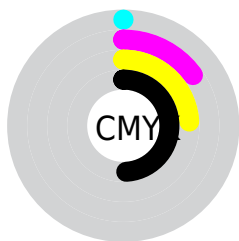
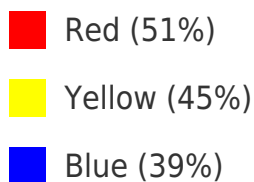
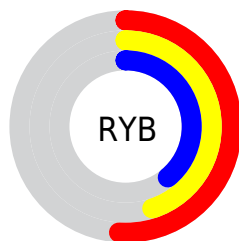
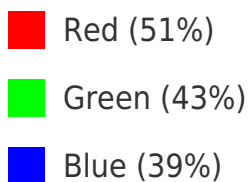
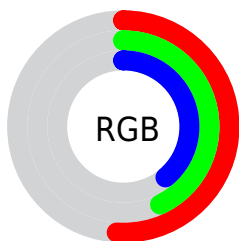
Format	Color
<a href="#">RYB</a>	<a href="#">130, 116, 99</a>
Decimal	<a href="#">8547939</a>
CIELab	<a href="#">48.01, 6.02, 9.05</a>
CIELCh	<a href="#">48, 10.869, 56.389</a>
Yxy	<a href="#">16.7985, 0.3550, 0.3501</a>
Android (android.graphics.Color)	<a href="#">4286738019</a> (0xFF826E63)
YUV	<a href="#">114.7260, -7.7529, 13.3953</a>
Hunter-Lab	<a href="#">40.9860, 2.4601, 8.2223</a>

# Details

The XYZ color **17.0340, 16.7985, 14.1490** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7716, 17.4577, 23.6577**, and the grayscale version is **16.2325, 17.0779, 18.5978**.

A 20% lighter version of the original color is **37.9538, 38.1099, 34.2097**, and **5.6507, 5.3987, 3.9930** is the 20% darker color. If you saturate the color by 10%, you get **15.5996, 14.8454, 10.8475**, and if you desaturate by 10%, it is **18.6551, 18.9645, 18.0068**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0340, 16.7985, 14.1490 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 17.0340, 16.7985, 14.1490 by changing the saturation by 10% instead.





 17.0340, 16.7985,  
14.1490


 17.0340, 16.7985,  
14.1490


228.5207,  
234.0085, 229.6164


 10.3542, 10.0909,  
8.0844


 37.9274, 37.9790,  
34.0741


 5.6985, 5.4593,  
4.0605

 52.8716, 53.2207,  
48.7717

 2.7015, 2.5192,  
1.6586

 71.3014, 72.0760,  
67.1841

 0.9980, 0.8862,  
0.3321

 93.5821, 94.9291,  
89.7298


 0.0000, 0.0000,  
0.0000


120.0790,  
122.1645, 116.8273

151.1575,


154.1666, 148.8952


187.1829,  
191.3198, 186.3521

 17.0340, 16.7985,  
14.1490


 17.0340, 16.7985,  
14.1490


 15.5996, 14.8454,  
10.8475


 18.6551, 18.9645,  
18.0068


 14.3433, 13.0962,  
8.0753

 20.4681, 21.3474,  
22.4440


 13.2579, 11.5447,  
5.8046


 22.4801, 23.9539,  
27.4839


 12.3353, 10.1834,  
4.0048


 24.6969, 26.7901,  
33.1479


 11.5663, 9.0044,  
2.6418


 27.1245, 29.8613,  
39.4567


 10.9408, 7.9989,  
1.6768


 29.7683, 33.1730,  
46.4297

 10.4468, 7.1574,  
1.0606

 32.6338, 36.7304,  
54.0856

 10.1885, 6.7107,  
0.7583

 35.7261, 40.5385,  
62.4425

 39.0501, 44.6023,  
71.5176

# Harmonies

## Analogous

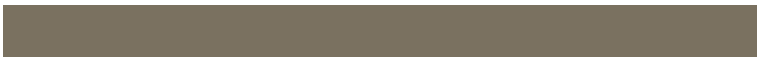
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.7172, 16.7985, 15.9923



17.0340, 16.7985, 14.1490



16.0856, 16.7985, 13.4099

# Triad

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



17.0340, 16.7985, 14.1490



14.1563, 16.7985, 17.9524



16.8199, 16.7985, 23.5716

# Complementary

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



17.0340, 16.7985, 14.1490



15.7716, 17.4577, 23.6577

# 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.



15.8479, 16.7985, 24.2318



17.0340, 16.7985, 14.1490



14.3350, 16.7985, 20.7994

# Square

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



17.0340, 16.7985, 14.1490



14.4459, 16.7985, 15.4592



14.9445, 16.7985, 23.1708



17.5901, 16.7985, 21.4484



# Rectangle

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



17.0340, 16.7985, 14.1490



15.4399, 16.7985, 13.5804



14.9445, 16.7985, 23.1708



16.5048, 16.7985, 23.9808

# Sweetspot

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



17.0344, 16.7993, 14.1493



34.9497, 36.1608, 36.8211



17.0068, 15.0052, 19.5002



7.8785, 8.1426, 8.2553



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901



# Same Dimension

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



17.0344, 16.7993, 14.1493



28.4913, 27.5404, 21.4226



18.8363, 20.4029, 14.7500



4.4430, 4.5747, 4.5690



9.7751, 6.4465, 0.7291



0.0000, 0.0000, 0.0000



# Inverse Universe

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



15.7716, 17.4577, 23.6577



25.8345, 28.9213, 41.4132



14.0902, 14.0949, 23.0973



4.3220, 4.6380, 5.4807



6.8995, 7.6175, 21.3566

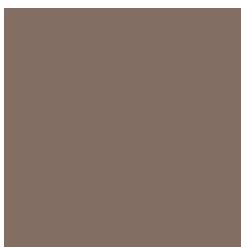


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the XYZ color 17.0340, 16.7985, 14.1490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

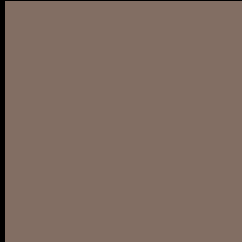
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 17.0340, 16.7985, 14.1490 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 17.0340, 16.7985, 14.1490**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.0340, 16.7985, 14.1490.



This preview shows how white text looks on a background with the XYZ color 17.0340, 16.7985,



# 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

17.0340, 16.7985, 14.1490

### Protanopia

15.9740, 16.8962, 14.7313

### Deuteranopia

17.0340, 16.7985, 14.1490



## Tritanopia

18.0307, 16.8916, 18.8331

# Trichromacy



**Original Color**  
17.0340, 16.7985, 14.1490

**Protanomaly**  
16.3738, 16.9413, 14.4636

**Deuteranomaly**  
17.0340, 16.7985, 14.1490

**Tritanomaly**  
17.6432, 16.8884, 17.0817

# Monochromacy



**Original Color**  
17.0340, 16.7985, 14.1490

**Achromatopsia**  
16.2955, 17.1441, 18.6699

**Achromatomaly**  
16.4112, 16.9075, 16.8665

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.0340, 16.7985, 14.1490 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(130, 110, 99) looks like.

```
.text, #text, p{  
    color:rgb(130, 110, 99)  
}
```

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(130, 110, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 110, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 17.0340, 16.7985, 14.1490 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(130, 110, 99) }
```



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

```
.border{ border-color:rgb(130, 110, 99) }
```

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

Here you see how a box with a 4 pixel rgb(130, 110, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 110, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 110, 99);  
box-shadow:4px 4px 4px 4px rgb(130, 110,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.0340, 16.7985, 14.1490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 110, 99) }
```

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

```
.background{ background-color: rgb(130,  
110, 99) }
```

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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