

# Converting Colors

XYZ(17.0634, 13.4899, 10.6895)

Have a look what the booklet for  
XYZ(17.0634, 13.4899, 10.6895)  
contains.

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# Color

**XYZ(17.0807, 13.5467,  
10.7314)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	935657
RGB	147, 86, 87
RGB Percent	58%, 34%, 34%
CMY	0.4235, 0.6627, 0.6588
CMYK	0.00, 0.41, 0.41, 0.42
HSL	359°, 26%, 46%
HSV	359°, 41%, 58%
XYZ	17.0807, 13.5467, 10.7314
YIQ	104.3530, 36.0350, 13.2430

# Conversions

## Conversions Part 2

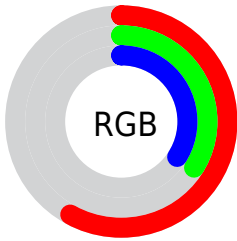
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 86, 87
Decimal	9655895
CIE Lab	43.58, 25.37, 10.33
CIE LCh	44, 27.390, 22.164
Yxy	13.5467, 0.4130, 0.3275
Android (android.graphics.Color)	4287845975 (0xFF935657)
YUV	104.3530, -8.5550, 37.4014
Hunter-Lab	36.8058, 18.4273, 8.4770

# Details

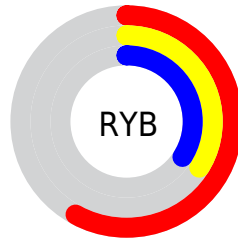
The XYZ color **17.0807, 13.5467, 10.7314** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.4604, 24.9215, 30.9800**, and the grayscale version is **13.2685, 13.9595, 15.2019**.

A 20% lighter version of the original color is **38.0896, 32.3940, 27.9120**, and **5.7595, 3.9979, 2.6586** is the 20% darker color. If you saturate the color by 10%, you get **15.4927, 11.2232, 7.5736**, and if you desaturate by 10%, it is **19.0292, 16.4016, 14.5935**.

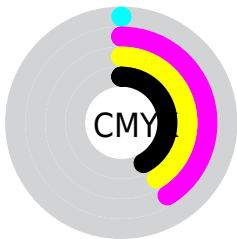
# Distribution



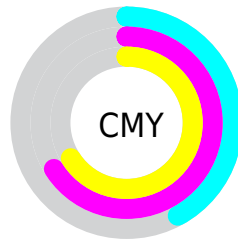
- Red (58%)
- Green (34%)
- Blue (34%)



- Red (58%)
- Yellow (34%)
- Blue (34%)



- Cyan (0%)
- Magenta (41%)
- Yellow (41%)
- Black (42%)



- Cyan (42%)
- Magenta (66%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0807, 13.5467, 10.7314 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 17.0807, 13.5467, 10.7314 by changing the saturation by 10% instead.



■ 17.0807, 13.5467,  
10.7314

■ 17.0807, 13.5467,  
10.7314

228.7842,  
214.3923, 206.4863

■ 10.3877, 7.8061,  
5.7746

■ 38.0070, 32.2825,  
27.7914

■ 5.7210, 3.9711,  
2.6420

■ 52.9710, 46.0465,  
40.7317

■ 2.7152, 1.6574,  
0.9140

■ 71.4226, 63.2537,  
57.1703

■ 1.0050, 0.3959,  
0.0000

■ 93.7274, 84.2886,  
77.5258

■ 0.0000, 0.0000,  
0.0000

■ 120.2506,  
109.5355, 102.2165

151.3575,

139.3788, 131.6611

187.4136,  
174.2029, 166.2782

■ 17.0807, 13.5467,  
10.7314

■ 17.0807, 13.5467,  
10.7314

■ 15.4927, 11.2232,  
7.5736

■ 19.0292, 16.4016,  
14.5935

■ 14.2420, 9.3966,  
5.0770

■ 21.3573, 19.8159,  
19.1979

■ 13.3047, 8.0312,  
3.1947


■ 24.0839, 23.8179,  
24.5810


■ 12.6530, 7.0858,  
1.8737


■ 27.2266, 28.4333,  
30.7765

■ 12.2544, 6.5120,  
1.0520


■ 30.8016, 33.6866,  
37.8160

 12.0458, 6.2083,  
0.6324

 34.8246, 39.6006,  
45.7296

 39.3103, 46.1972,  
54.5458

 44.2727, 53.4972,  
64.2919

 49.7253, 61.5205,  
74.9939

# Harmonies

## Analogous

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



17.4038, 13.5467, 16.4181



17.0807, 13.5467, 10.7314



15.5720, 13.5467, 7.2559

# Triad

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



17.0807, 13.5467, 10.7314



9.8882, 13.5467, 8.6314



12.3221, 13.5467, 29.7993

# Complementary

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



17.0807, 13.5467, 10.7314



19.4604, 24.9215, 30.9800

# 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.



10.5102, 13.5467, 26.1693



17.0807, 13.5467, 10.7314



9.2102, 13.5467, 13.1990

# Square

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



17.0807, 13.5467, 10.7314



11.3831, 13.5467, 6.2988



9.4246, 13.5467, 19.6643



14.4934, 13.5467, 28.5986



# Rectangle

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



17.0807, 13.5467, 10.7314



14.1794, 13.5467, 6.1276



9.4246, 13.5467, 19.6643



11.6545, 13.5467, 29.0750

# Sweetspot

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



17.0811, 13.5474, 10.7317



42.7378, 42.0774, 43.2456



20.4457, 14.8722, 29.3968



9.6209, 9.4068, 9.6052



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



17.0811, 13.5474, 10.7317



27.8640, 20.2729, 13.7998



19.8987, 19.2474, 11.4713



5.8044, 5.8168, 6.0762



10.4440, 5.3827, 0.5531



0.1286, 0.0662, 0.0108



# Inverse Universe

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



17.0811, 13.5474, 10.7317



27.8640, 20.2729, 13.7998



15.5264, 16.9290, 30.0530



5.8044, 5.8168, 6.0762



10.4440, 5.3827, 0.5531

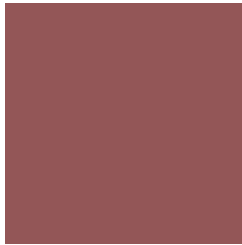


0.1286, 0.0662, 0.0108



# Previews

## White Background



This preview shows how the XYZ color 17.0807, 13.5467, 10.7314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

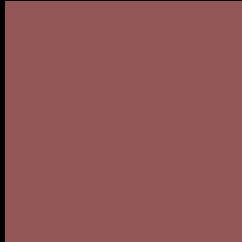
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 17.0807, 13.5467, 10.7314 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 17.0807, 13.5467, 10.7314**

## **Background**



This preview shows how black text looks on a background with the XYZ color 17.0807, 13.5467, 10.7314.



This preview shows how white text looks on a background with the XYZ color 17.0807, 13.5467,



# 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

17.0807, 13.5467, 10.7314

### Protanopia

13.0250, 13.6708, 13.0186

### Deuteranopia

13.8473, 13.5726, 10.4843



## Tritanopia

17.2129, 13.4728, 11.8185

# Trichromacy



## Original Color

17.0807, 13.5467, 10.7314

## Protanomaly

14.2765, 13.4773, 12.2048

## Deuteranomaly

14.8883, 13.4231, 10.6103

## Tritanomaly

17.1266, 13.4382, 11.3640

# Monochromacy



## Original Color

17.0807, 13.5467, 10.7314

## Achromatopsia

13.1579, 13.8432, 15.0752

## Achromatomaly

14.2250, 13.4243, 13.3967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 17.0807, 13.5467, 10.7314 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(147, 86, 87)` looks like.

```
.text, #text, p{  
    color:rgb(147, 86, 87)  
}
```

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(147, 86, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 86, 87) }
```

## Border

The CSS property to change the border of an element to XYZ 17.0807, 13.5467, 10.7314 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(147, 86, 87) }
```



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

```
.border{ border-color:rgb(147, 86, 87) }
```

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

Here you see how a box with a 4 pixel rgb(147, 86, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 86, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 86, 87);  
box-shadow:4px 4px 4px 4px rgb(147, 86,  
87) }
```

# Background

The CSS property to change the background color of an element to XYZ 17.0807, 13.5467, 10.7314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 86, 87) }
```

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

```
.background{ background-color: rgb(147, 86,  
87) }
```

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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