

Converting Colors

XYZ(17.2656, 13.8562, 7.9318)

Have a look what the booklet for
XYZ(17.2656, 13.8562, 7.9318)
contains.

XYZ(17.1556, 13.7683, 7.8842)	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(17.1556, 13.7683,
7.8842)**

Conversions

Conversions Part 1

Format	Color
Hex	965748
RGB	150, 87, 72
RGB Percent	59%, 34%, 28%
CMY	0.4118, 0.6588, 0.7176
CMYK	0.00, 0.42, 0.52, 0.41
HSL	12°, 35%, 44%
HSV	12°, 52%, 59%
XYZ	17.1556, 13.7683, 7.8842
YIQ	104.1270, 42.3630, 8.6910

Conversions

Conversions Part 2

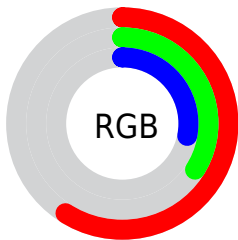
Format	Color
R_{YB}	150, 91, 72
Decimal	9852744
CIE _{Lab}	43.90, 24.39, 19.91
CIE _{LCh}	44, 31.483, 39.235
Yxy	13.7683, 0.4421, 0.3548
Android (android.graphics.Color)	4288042824 (0xFF965748)
YUV	104.1270, -15.8386, 40.2306
Hunter-Lab	37.1057, 17.5936, 13.3760

Details

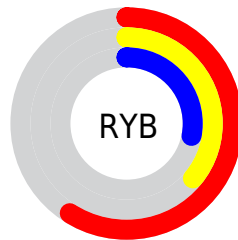
The XYZ color **17.1556, 13.7683, 7.8842** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.8410, 20.9067, 32.0020**, and the grayscale version is **13.2256, 13.9144, 15.1527**.

A 20% lighter version of the original color is **38.2718, 32.8228, 22.4075**, and **5.7923, 4.0882, 1.5824** is the 20% darker color. If you saturate the color by 10%, you get **15.8248, 11.7966, 5.3139**, and if you desaturate by 10%, it is **18.7711, 16.1184, 11.1388**.

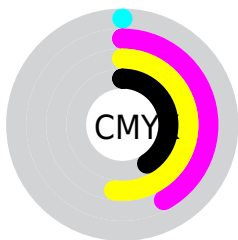
Distribution



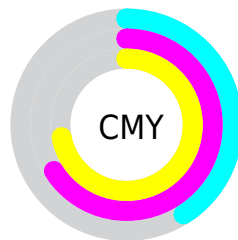
- Red (59%)
- Green (34%)
- Blue (28%)



- Red (59%)
- Yellow (36%)
- Blue (28%)



- Cyan (0%)
- Magenta (42%)
- Yellow (52%)
- Black (41%)





- Cyan (41%)
- Magenta (66%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.1556, 13.7683, 7.8842 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 17.1556, 13.7683, 7.8842 by changing the saturation by 10% instead.


 17.1556, 13.7683,
7.8842


 17.1556, 13.7683,
7.8842


229.2063,
215.7846, 184.7215


 10.4415, 7.9597,
3.9342


 38.1346, 32.6773,
22.2735


 5.7571, 4.0692,
1.5893

 53.1302, 46.5466,
33.5500

 2.7372, 1.7123,
0.2832

 71.6169, 63.8715,
48.1056

 1.0164, 0.4316,
0.0000

 93.9603, 85.0364,
66.3591

 0.0000, 0.0000,
0.0000

 120.5255,
110.4258, 88.7289

151.6780,

140.4240, 115.6335

187.7832,
175.4155, 147.4915

■ 17.1556, 13.7683,
7.8842

■ 17.1556, 13.7683,
7.8842

■ 15.8248, 11.7966,
5.3139

■ 18.7711, 16.1184,
11.1388

■ 14.7607, 10.1813,
3.3778

■ 20.6859, 18.8633,
15.1212

■ 13.9446, 8.9012,
2.0201

■ 22.9148, 22.0209,
19.8725

■ 13.3547, 7.9320,
1.1750

■ 25.4713, 25.6074,
25.4303

■ 13.0135, 7.3556,
0.7339

■ 28.3680, 29.6382,
31.8296

■ 31.6168, 34.1277,
39.1036

■ 35.2293, 39.0900,
47.2836

■ 39.2164, 44.5382,
56.3993

■ 43.5883, 50.4852,
66.4792

Harmonies

Analogous

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



18.4031, 13.7683, 12.8970



17.1556, 13.7683, 7.8842



14.8581, 13.7683, 5.4787

Triad

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



17.1556, 13.7683, 7.8842



9.1011, 13.7683, 10.6369



13.8697, 13.7683, 33.0042

Complementary

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



17.1556, 13.7683, 7.8842



16.8410, 20.9067, 32.0020

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.



11.4614, 13.7683, 31.8124



17.1556, 13.7683, 7.8842



8.9071, 13.7683, 17.3009

Square

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



17.1556, 13.7683, 7.8842



10.2860, 13.7683, 6.6820



9.7175, 13.7683, 25.4426



16.3538, 13.7683, 28.3156

Rectangle

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



17.1556, 13.7683, 7.8842



13.1504, 13.7683, 5.0365



9.7175, 13.7683, 25.4426



13.0225, 13.7683, 33.3038

Sweetspot

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



17.1559, 13.7690, 7.8845



42.9318, 42.3652, 40.4673



19.3177, 12.8879, 24.6504



9.3315, 9.1322, 8.5709



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.



17.1559, 13.7690, 7.8845



27.6732, 20.4370, 8.9021



21.1191, 21.6953, 9.2055



5.8858, 5.9853, 6.0855



10.8119, 6.1383, 0.6150



0.1490, 0.1084, 0.0131

Inverse Universe

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



16.8410, 20.9067, 32.0020



27.0158, 34.3356, 56.1248



12.4246, 12.0739, 30.5298



5.8703, 6.3746, 7.3908



10.2734, 13.2416, 25.9455



0.1453, 0.2012, 0.3241

Previews

White Background



This preview shows how the XYZ color 17.1556, 13.7683, 7.8842 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 17.1556, 13.7683, 7.8842 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 17.1556, 13.7683, 7.8842

Background



This preview shows how black text looks on a background with the XYZ color 17.1556, 13.7683, 7.8842.



This preview shows how white text looks on a background with the XYZ color 17.1556, 13.7683,

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

17.1556, 13.7683, 7.8842

Protanopia

12.9171, 13.8446, 9.3886

Deuteranopia

14.1201, 13.9165, 7.7363



Tritanopia

17.8211, 13.6753, 11.5978

Trichromacy



Original Color

17.1556, 13.7683, 7.8842

Protanomaly

14.1296, 13.6171, 8.7211

Deuteranomaly

15.0611, 13.7077, 7.8133

Tritanomaly

17.6112, 13.7164, 10.1068

Monochromacy



Original Color

17.1556, 13.7683, 7.8842

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.1846, 13.5730, 11.9975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1556, 13.7683, 7.8842 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(150, 87, 72)` looks like.

```
.text, #text, p{  
    color:rgb(150, 87, 72)  
}
```

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(150, 87, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 87, 72) }
```

Border

The CSS property to change the border of an element to XYZ 17.1556, 13.7683, 7.8842 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(150, 87, 72) }
```


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

```
.border{ border-color:rgb(150, 87, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 87, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 87, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 87, 72);  
box-shadow:4px 4px 4px 4px rgb(150, 87,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1556, 13.7683, 7.8842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 87, 72) }
```

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

```
.background{ background-color: rgb(150, 87,  
72) }
```

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