

Converting Colors

XYZ(16.6436, 17.8487, 13.4197)

Have a look what the booklet for
XYZ(16.6436, 17.8487, 13.4197)
contains.

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Color

**XYZ(16.5952, 17.7598,
13.3798)**

Conversions

Conversions Part 1

Format	Color
Hex	7B755F
RGB	123, 117, 95
RGB Percent	48%, 46%, 37%
CMY	0.5176, 0.5412, 0.6274
CMYK	0.00, 0.05, 0.23, 0.52
HSL	47°, 13%, 43%
HSV	47°, 23%, 48%
XYZ	16.5952, 17.7598, 13.3798
YIQ	116.2860, 10.6380, -5.5700

Conversions

Conversions Part 2

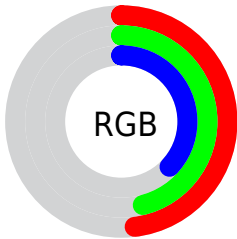
Format	Color
R_{YB}	103, 123, 95
Decimal	8090975
CIE _{Lab}	49.20, -1.59, 12.99
CIE _{LCh}	49, 13.085, 96.982
Yxy	17.7598, 0.3477, 0.3721
Android (android.graphics.Color)	4286281055 (0xFF7B755F)
YUV	116.2860, -10.4940, 5.8882
Hunter-Lab	42.1424, -3.4578, 10.6757

Details

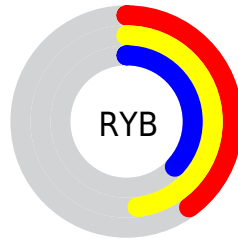
The XYZ color **16.5952, 17.7598, 13.3798** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9480, 13.1698, 20.5984**, and the grayscale version is **16.7176, 17.5882, 19.1535**.

A 20% lighter version of the original color is **37.2808, 39.6814, 32.8885**, and **5.5065, 5.9338, 3.7608** is the 20% darker color. If you saturate the color by 10%, you get **15.7772, 16.9490, 10.5632**, and if you desaturate by 10%, it is **17.5111, 18.6248, 16.6651**.

Distribution



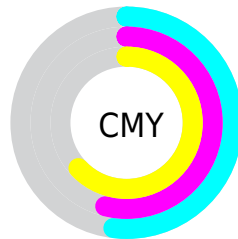
- Red (48%)
- Green (46%)
- Blue (37%)



- Red (40%)
- Yellow (48%)
- Blue (37%)



- Cyan (0%)
- Magenta (5%)
- Yellow (23%)
- Black (52%)



- Cyan (52%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5952, 17.7598, 13.3798 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 16.5952, 17.7598, 13.3798 by changing the saturation by 10% instead.

■ 16.5952, 17.7598,
13.3798

■ 16.5952, 17.7598,
13.3798

226.0307,
239.5137, 224.6303

■ 10.0398, 10.7777,
7.5568

■ 37.1776, 39.6276,
32.6856

■ 5.4878, 5.9175,
3.7290

■ 51.9354, 55.2821,
47.0054

■ 2.5739, 2.7950,
1.4779

■ 70.1579, 74.5961,
64.9947

■ 0.9327, 1.0257,
0.2014

■ 92.2107, 97.9541,
87.0718

■ 0.0000, 0.0000,
0.0000

118.4590,
125.7405, 113.6554

149.2682,

158.3396, 145.1640

185.0037,
196.1358, 182.0161

■ 16.5952, 17.7598,
13.3798

■ 16.5952, 17.7598,
13.3798

■ 15.7772, 16.9490,
10.5632

■ 17.5111, 18.6248,
16.6651

■ 15.0515, 16.1882,
8.1923

■ 18.5273, 19.5433,
20.4383

■ 14.4141, 15.4763,
6.2440

■ 19.6482, 20.5176,
24.7190

■ 13.8599, 14.8112,
4.6926

■ 20.8771, 21.5494,
29.5253

■ 13.3834, 14.1905,
3.5096

■ 22.2175, 22.6400,
34.8743

■ 12.9786, 13.6118,
2.6626

■ 23.6725, 23.7908,
40.7826

■ 12.6378, 13.0718,
2.1126

■ 25.2451, 25.0031,
47.2659

■ 12.4115, 12.6973,
1.7967

■ 26.9383, 26.2782,
54.3393

■ 28.7550, 27.6173,
62.0173

Harmonies

Analogous

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



17.8189, 17.7598, 13.7648



16.5952, 17.7598, 13.3798



15.5012, 17.7598, 14.4296

Triad

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



16.5952, 17.7598, 13.3798



15.0660, 17.7598, 23.6902



19.1444, 17.7598, 22.0996

Complementary

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



16.5952, 17.7598, 13.3798



12.9480, 13.1698, 20.5984

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.



18.3385, 17.7598, 25.2482



16.5952, 17.7598, 13.3798



15.9749, 17.7598, 26.2414

Square

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



16.5952, 17.7598, 13.3798



14.6465, 17.7598, 20.1698



17.1684, 17.7598, 26.8436



19.3301, 17.7598, 18.5282

Rectangle

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



16.5952, 17.7598, 13.3798



14.9794, 17.7598, 15.8865



17.1684, 17.7598, 26.8436



18.9352, 17.7598, 23.2550

Sweetspot

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



16.5957, 17.7606, 13.3802



32.3528, 34.2599, 33.5110



14.6129, 13.3365, 14.1333



7.6009, 8.0519, 7.8231



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.5957, 17.7606, 13.3802



28.9793, 31.0811, 21.3862



16.2276, 18.6415, 13.5696



4.2384, 4.4952, 4.2688



12.8357, 13.1273, 1.8573



60.5902, 61.3439, 8.6471

Inverse Universe

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



12.9480, 13.1698, 20.5984



21.3084, 21.4282, 36.5696



13.2534, 12.4943, 20.4520



3.8608, 4.0199, 5.0156



4.0849, 2.2523, 19.6047



18.9643, 9.7012, 93.3428

Previews

White Background



This preview shows how the XYZ color 16.5952, 17.7598, 13.3798 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 16.5952, 17.7598, 13.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

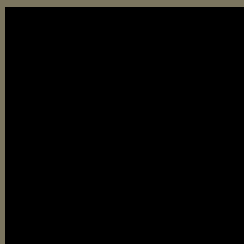
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

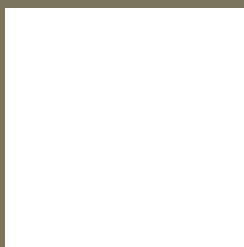
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5952, 17.7598, 13.3798

Background



This preview shows how black text looks on a background with the XYZ color 16.5952, 17.7598, 13.3798.



This preview shows how white text looks on a background with the XYZ color 16.5952, 17.7598,

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

16.5952, 17.7598, 13.3798

Protanopia

16.7390, 17.8339, 13.3865

Deuteranopia

18.0588, 17.6671, 13.5246



Tritanopia

18.0222, 17.6510, 20.8695

Trichromacy



Original Color

16.5952, 17.7598, 13.3798

Protanomaly

16.7390, 17.8339, 13.3865

Deuteranomaly

17.4887, 17.7045, 13.5619

Tritanomaly

17.3994, 17.5645, 17.8025

Monochromacy



Original Color

16.5952, 17.7598, 13.3798

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5599, 17.4954, 16.6915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5952, 17.7598, 13.3798 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(123, 117, 95)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 95)  
}
```

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(123, 117, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 95) }
```

Border

The CSS property to change the border of an element to XYZ 16.5952, 17.7598, 13.3798 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(123, 117, 95) }
```


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

```
.border{ border-color:rgb(123, 117, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 95);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5952, 17.7598, 13.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 95) }
```

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

```
.background{ background-color: rgb(123,  
117, 95) }
```

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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