

Converting Colors

XYZ(13.8038, 13.7886, 10.3927)

Have a look what the booklet for
XYZ(13.8038, 13.7886, 10.3927)
contains.

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Color

**XYZ(13.8617, 13.8694,
10.3340)**

Conversions

Conversions Part 1

Format	Color
Hex	776554
RGB	119, 101, 84
RGB Percent	47%, 40%, 33%
CMY	0.5333, 0.6039, 0.6706
CMYK	0.00, 0.15, 0.29, 0.53
HSL	29°, 17%, 40%
HSV	29°, 29%, 47%
XYZ	13.8617, 13.8694, 10.3340
YIQ	104.4440, 16.1850, -1.4710

Conversions

Conversions Part 2

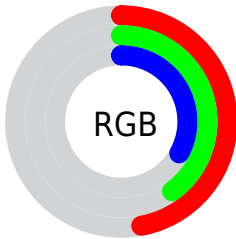
Format	Color
R_{YB}	119, 117, 84
Decimal	7824724
CIE Lab	44.05, 4.37, 12.30
CIE LCh	44, 13.051, 70.432
Yxy	13.8694, 0.3642, 0.3644
Android (android.graphics.Color)	4286014804 (0xFF776554)
YUV	104.4440, -10.0789, 12.7656
Hunter-Lab	37.2416, 1.2666, 9.6171

Details

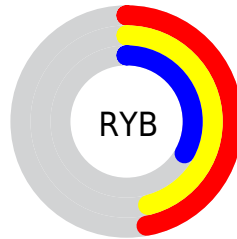
The XYZ color **13.8617, 13.8694, 10.3340** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7373, 12.7192, 19.2893**, and the grayscale version is **13.3007, 13.9934, 15.2388**.

A 20% lighter version of the original color is **32.5446, 32.9484, 27.1986**, and **4.2112, 4.0869, 2.4864** is the 20% darker color. If you saturate the color by 10%, you get **12.8626, 12.5547, 7.8935**, and if you desaturate by 10%, it is **14.9850, 15.3056, 13.2069**.

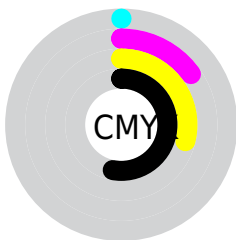
Distribution



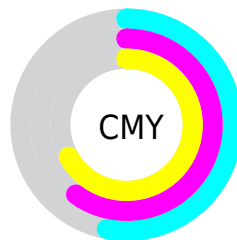
- Red (47%)
- Green (40%)
- Blue (33%)



- Red (47%)
- Yellow (46%)
- Blue (33%)



- Cyan (0%)
- Magenta (15%)
- Yellow (29%)
- Black (53%)



- Cyan (53%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8617, 13.8694, 10.3340 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 13.8617, 13.8694, 10.3340 by changing the saturation by 10% instead.

■ 13.8617, 13.8694,
10.3340

■ 13.8617, 13.8694,
10.3340

209.8966,
216.4168, 203.6102

■ 8.1056, 8.0299,
5.5125

■ 32.4318, 32.8571,
27.0394

■ 4.2150, 4.1141,
2.4870

■ 45.9764, 46.7741,
39.7604

■ 1.8245, 1.7376,
0.8333

■ 62.8480, 64.1524,
55.9516

■ 0.5323, 0.4478,
0.0000

■ 83.4118, 85.3763,
76.0316

■ 0.0000, 0.0000,
0.0000

■ 108.0332,
110.8304, 100.4190

137.0776,

140.8989, 129.5321

170.9103,
175.9662, 163.7897

■ 13.8617, 13.8694,
10.3340

■ 13.8617, 13.8694,
10.3340

■ 12.8626, 12.5547,
7.8935

■ 14.9850, 15.3056,
13.2069

■ 11.9816, 11.3560,
5.8633

■ 16.2361, 16.8647,
16.5314

■ 11.2137, 10.2702,
4.2203

■ 17.6197, 18.5505,
20.3263

■ 10.5532, 9.2935,
2.9389

■ 19.1400, 20.3661,
24.6092

■ 9.9936, 8.4214,
1.9905

■ 20.8008, 22.3144,
29.3969

■ 9.5276, 7.6493,
1.3417

■ 22.6061, 24.3983,
34.7052

■ 9.1332, 6.9666,
0.8834

■ 24.5595, 26.6205,
40.5493

■ 9.1112, 6.9288,
0.8572

■ 26.6644, 28.9837,
46.9437

■ 28.9242, 31.4905,
53.9026

Harmonies

Analogous

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



14.7594, 13.8694, 11.6921



13.8617, 13.8694, 10.3340



12.8247, 13.8694, 10.1522

Triad

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



13.8617, 13.8694, 10.3340



11.3169, 13.8694, 16.1593



14.5185, 13.8694, 19.8791

Complementary

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



13.8617, 13.8694, 10.3340



11.7373, 12.7192, 19.2893

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.



13.5468, 13.8694, 21.4433



13.8617, 13.8694, 10.3340



11.7220, 13.8694, 19.1164

Square

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



13.8617, 13.8694, 10.3340



11.3913, 13.8694, 13.2682



12.5258, 13.8694, 21.1472



15.1521, 13.8694, 17.0962

Rectangle

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



13.8617, 13.8694, 10.3340



12.1980, 13.8694, 10.6929



12.5258, 13.8694, 21.1472



14.2185, 13.8694, 20.5804

Sweetspot

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



13.8621, 13.8700, 10.3343



29.1172, 30.2528, 29.7193



13.1807, 11.2238, 14.0639



6.8329, 7.0863, 6.8608



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.8621, 13.8700, 10.3343



23.6388, 23.2872, 15.5885



15.7358, 17.6174, 10.9588



3.8171, 3.9672, 3.9069



9.6705, 7.3422, 0.9075



46.2742, 34.0769, 4.1386

Inverse Universe

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



11.7373, 12.7192, 19.2893



19.2054, 20.8856, 34.2722



10.2019, 9.6485, 18.7776



3.6418, 3.8723, 4.6457



5.3119, 4.9635, 19.2206



25.0246, 22.4658, 93.3777

Previews

White Background



This preview shows how the XYZ color 13.8617, 13.8694, 10.3340 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 13.8617, 13.8694, 10.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

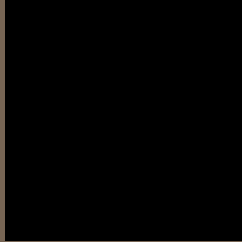
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8617, 13.8694, 10.3340

Background



This preview shows how black text looks on a background with the XYZ color 13.8617, 13.8694, 10.3340.



This preview shows how white text looks on a background with the XYZ color 13.8617, 13.8694,

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

13.8617, 13.8694, 10.3340

Protanopia

13.0204, 13.8715, 10.5855

Deuteranopia

14.0426, 13.8194, 10.3148



Tritanopia

14.8544, 13.8409, 15.5243

Trichromacy



Original Color

13.8617, 13.8694, 10.3340

Protanomaly

13.3000, 13.8671, 10.5700

Deuteranomaly

13.9031, 13.7475, 10.3083

Tritanomaly

14.4122, 13.7986, 13.4591

Monochromacy



Original Color

13.8617, 13.8694, 10.3340

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.3146, 13.8148, 13.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8617, 13.8694, 10.3340 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(119, 101, 84)` looks like.

```
.text, #text, p{  
    color:rgb(119, 101, 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(119, 101, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 101, 84) }
```

Border

The CSS property to change the border of an element to XYZ 13.8617, 13.8694, 10.3340 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(119, 101, 84) }
```


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

```
.border{ border-color:rgb(119, 101, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 101, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 101, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 101, 84);  
box-shadow:4px 4px 4px 4px rgb(119, 101,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8617, 13.8694, 10.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 101, 84) }
```

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

```
.background{ background-color: rgb(119,  
101, 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](#).

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