

Converting Colors

XYZ(13.7221, 12.7573, 11.9063)

Have a look what the booklet for
XYZ(13.7221, 12.7573, 11.9063)
contains.

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Color

**XYZ(13.6802, 12.7712,
11.8693)**

Conversions

Conversions Part 1

Format	Color
Hex	785E5C
RGB	120, 94, 92
RGB Percent	47%, 37%, 36%
CMY	0.5294, 0.6314, 0.6392
CMYK	0.00, 0.22, 0.23, 0.53
HSL	4°, 13%, 42%
HSV	4°, 23%, 47%
XYZ	13.6802, 12.7712, 11.8693
YIQ	101.5460, 16.1380, 4.8900

Conversions

Conversions Part 2

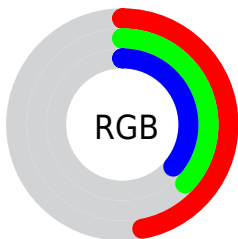
Format	Color
R_{YB}	120, 94, 92
Decimal	7888476
CIE _{Lab}	42.42, 10.24, 5.18
CIE _{LCh}	42, 11.472, 26.831
Yxy	12.7712, 0.3570, 0.3333
Android (android.graphics.Color)	4286078556 (0xFF785E5C)
YUV	101.5460, -4.7062, 16.1842
Hunter-Lab	35.7368, 5.7911, 5.3237

Details

The XYZ color **13.6802, 12.7712, 11.8693** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2821, 16.5878, 20.2184**, and the grayscale version is **12.5202, 13.1723, 14.3446**.

A 20% lighter version of the original color is **32.0893, 30.7837, 29.8418**, and **4.1486, 3.6508, 3.0708** is the 20% darker color. If you saturate the color by 10%, you get **12.2764, 10.7376, 9.0151**, and if you desaturate by 10%, it is **15.3108, 15.1253, 15.2094**.

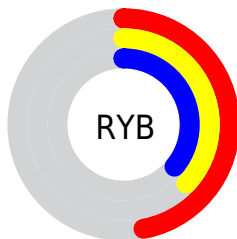
Distribution



Red (47%)

Green (37%)

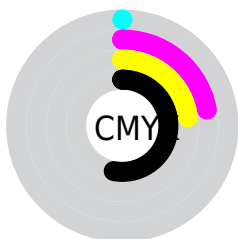
Blue (36%)



Red (47%)

Yellow (37%)

Blue (36%)

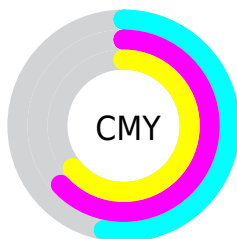


Cyan (0%)

Magenta (22%)

Yellow (23%)

Black (53%)



Cyan (53%)

Magenta (63%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6802, 12.7712, 11.8693 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 13.6802, 12.7712, 11.8693 by changing the saturation by 10% instead.

■ 13.6802, 12.7712,
11.8693

■ 13.6802, 12.7712,
11.8693

208.7828,
209.4461, 214.4852

■ 7.9788, 7.2712,
6.5333

■ 32.1115, 30.8921,
29.9177

■ 4.1331, 3.6323,
3.0980

■ 45.5722, 44.2818,
43.4671

■ 1.7777, 1.4701,
1.1449

■ 62.3499, 61.0702,
60.5914

■ 0.5042, 0.2675,
0.0000

■ 82.8101, 81.6416,
81.7092

■ 0.0000, 0.0000,
0.0000

107.3182,
106.3806, 107.2389

136.2394,

135.6713, 137.5991

169.9392,
169.8984, 173.2084

■ 13.6802, 12.7712,
11.8693

■ 13.6802, 12.7712,
11.8693

■ 12.2764, 10.7376,
9.0151

■ 15.3108, 15.1253,
15.2094

■ 11.0884, 9.0090,
6.6235

■ 17.1767, 17.8111,
19.0558

■ 10.1059, 7.5712,
4.6702

■ 19.2870, 20.8413,
23.4286

■ 9.3170, 6.4082,
3.1288

■ 21.6500, 24.2277,
28.3466

■ 8.7090, 5.5025,
1.9696

■ 24.2738, 27.9811,
33.8277

■ 8.2675, 4.8345,
1.1593

■ 27.1661, 32.1123,
39.8889

■ 7.9750, 4.3815,
0.6551

■ 30.3341, 36.6312,
46.5465

■ 7.8389, 4.1794,
0.3935

■ 33.7849, 41.5478,
53.8164

■ 37.5253, 46.8714,
61.7135

Harmonies

Analogous

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



13.8718, 12.7712, 14.1700



13.6802, 12.7712, 11.8693



13.0692, 12.7712, 10.2954

Triad

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



13.6802, 12.7712, 11.8693



10.8021, 12.7712, 11.4646



12.0471, 12.7712, 19.2102

Complementary

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



13.6802, 12.7712, 11.8693



14.2821, 16.5878, 20.2184

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.



11.2533, 12.7712, 18.2744



13.6802, 12.7712, 11.8693



10.5562, 12.7712, 13.6446

Square

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



13.6802, 12.7712, 11.8693



11.4051, 12.7712, 10.0819



10.7175, 12.7712, 16.1626



12.9030, 12.7712, 18.5914

Rectangle

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



13.6802, 12.7712, 11.8693



12.5206, 12.7712, 9.7731



10.7175, 12.7712, 16.1626



11.7646, 12.7712, 19.0646

Sweetspot

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



13.6805, 12.7718, 11.8696



28.9009, 29.4426, 30.8112



14.8509, 12.9587, 18.8997



6.8164, 6.9304, 7.2342



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.



13.6805, 12.7718, 11.8696



22.6912, 20.4796, 18.0851



15.0261, 15.4629, 12.3181



4.0192, 4.0569, 4.1957



8.5471, 4.5502, 0.4278



40.5252, 21.2139, 1.9588

Inverse Universe

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



14.2821, 16.5878, 20.2184



23.9433, 28.4276, 35.4782



12.7677, 13.5590, 19.7136



4.0837, 4.4657, 5.0899



9.9455, 13.9734, 21.5583



47.1777, 66.1281, 102.7473

Previews

White Background



This preview shows how the XYZ color 13.6802, 12.7712, 11.8693 looks on a white background.

Color Contrast Check

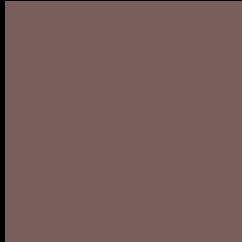
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6802, 12.7712, 11.8693 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 13.6802, 12.7712, 11.8693

Background



This preview shows how black text looks on a background with the XYZ color 13.6802, 12.7712, 11.8693.



This preview shows how white text looks on a background with the XYZ color 13.6802, 12.7712,

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

13.6802, 12.7712, 11.8693

Protanopia

12.2162, 12.8241, 12.6579

Deuteranopia

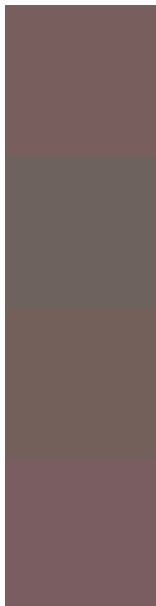
12.9731, 12.8154, 11.6874



Tritanopia

14.0998, 12.8137, 13.7868

Trichromacy



Original Color

13.6802, 12.7712, 11.8693

Protanomaly

12.6947, 12.7947, 12.3902

Deuteranomaly

13.2737, 12.8341, 11.6752

Tritanomaly

13.9572, 12.7567, 13.0359

Monochromacy



Original Color

13.6802, 12.7712, 11.8693

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.9731, 13.0567, 13.3917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6802, 12.7712, 11.8693 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(120, 94, 92)` looks like.

```
.text, #text, p{  
    color:rgb(120, 94, 92)  
}
```

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(120, 94, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 94, 92) }
```

Border

The CSS property to change the border of an element to XYZ 13.6802, 12.7712, 11.8693 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(120, 94, 92) }
```


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

```
.border{ border-color:rgb(120, 94, 92) }
```

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

Here you see how a box with a 4 pixel rgb(120, 94, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 94, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 94, 92);  
box-shadow:4px 4px 4px 4px rgb(120, 94,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6802, 12.7712, 11.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 94, 92) }
```

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

```
.background{ background-color: rgb(120, 94,  
92) }
```

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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