

Converting Colors

XYZ(13.7202, 11.6131, 7.8137)

Have a look what the booklet for
XYZ(13.7202, 11.6131, 7.8137)
contains.

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Color

**XYZ(13.7330, 11.6470,
7.8276)**

Conversions

Conversions Part 1

Format	Color
Hex	835449
RGB	131, 84, 73
RGB Percent	51%, 33%, 29%
CMY	0.4863, 0.6706, 0.7137
CMYK	0.00, 0.36, 0.44, 0.49
HSL	11°, 28%, 40%
HSV	11°, 44%, 51%
XYZ	13.7330, 11.6470, 7.8276
YIQ	96.7990, 31.5430, 6.5430

Conversions

Conversions Part 2

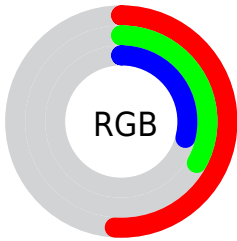
Format	Color
RYB	131, 87, 73
Decimal	8606793
CIELab	40.65, 18.19, 14.51
CIElCh	41, 23.269, 38.580
Yxy	11.6470, 0.4135, 0.3507
Android (android.graphics.Color)	4286796873 (0xFF835449)
YUV	96.7990, -11.7329, 29.9943
Hunter-Lab	34.1277, 12.1050, 10.2905

Details

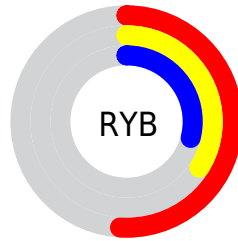
The XYZ color **13.7330, 11.6470, 7.8276** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.5605, 16.4873, 23.9404**, and the grayscale version is **11.3357, 11.9260, 12.9874**.

A 20% lighter version of the original color is **32.2876, 28.8944, 22.2878**, and **4.1393, 3.1372, 1.5498** is the 20% darker color. If you saturate the color by 10%, you get **12.5812, 9.9669, 5.5219**, and if you desaturate by 10%, it is **15.1018, 13.6147, 10.6573**.

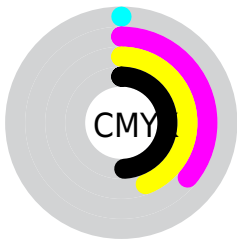
Distribution



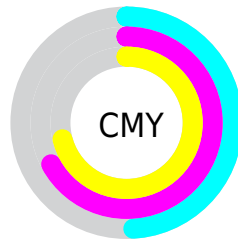
- Red (51%)
- Green (33%)
- Blue (29%)



- Red (51%)
- Yellow (34%)
- Blue (29%)



- Cyan (0%)
- Magenta (36%)
- Yellow (44%)
- Black (49%)



- Cyan (49%)
- Magenta (67%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7330, 11.6470, 7.8276 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 13.7330, 11.6470, 7.8276 by changing the saturation by 10% instead.

■ 13.7330, 11.6470,
7.8276

■ 13.7330, 11.6470,
7.8276

209.1075,
202.0541, 184.2573

■ 8.0157, 6.5038,
3.8986

■ 32.2048, 28.8505,
22.1603

■ 4.1569, 3.1538,
1.5699

■ 45.6899, 41.6797,
33.4012

■ 1.7913, 1.2125,
0.2692

■ 62.4950, 57.8395,
47.9164

■ 0.5124, 0.0719,
0.0000

■ 82.9854, 77.7146,
66.1246

■ 0.0000, 0.0000,
0.0000

■ 107.5265,
101.6891, 88.4442

136.4836,

130.1477, 115.2939

170.2222,
163.4745, 147.0920

■ 13.7330, 11.6470,
7.8276

■ 13.7330, 11.6470,
7.8276

■ 12.5812, 9.9669,
5.5219

■ 15.1018, 13.6147,
10.6573

■ 11.6342, 8.5590,
3.7071

■ 16.6972, 15.8807,
14.0400

■ 10.8796, 7.4093,
2.3476


■ 18.5294, 18.4576,
18.0032


■ 10.3036, 6.5018,
1.4021


■ 20.6076, 21.3566,
22.5726


■ 9.8893, 5.8180,
0.8172


■ 22.9405, 24.5882,
27.7721

 9.7045, 5.5142,
0.5529

 25.5366, 28.1627,
33.6246

 28.4037, 32.0896,
40.1515

 31.5494, 36.3785,
47.3735

 34.9810, 41.0383,
55.3103

Harmonies

Analogous

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



14.5036, 11.6470, 11.3769



13.7330, 11.6470, 7.8276



12.2666, 11.6470, 5.9770

Triad

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



13.7330, 11.6470, 7.8276



8.3776, 11.6470, 9.6512



11.5490, 11.6470, 23.9207

Complementary

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



13.7330, 11.6470, 7.8276



13.5605, 16.4873, 23.9404

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.



9.9541, 11.6470, 23.1288



13.7330, 11.6470, 7.8276



8.2264, 11.6470, 14.0824

Square

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



13.7330, 11.6470, 7.8276



9.2115, 11.6470, 6.8339



8.7758, 11.6470, 19.2150



13.1633, 11.6470, 21.1684

Rectangle

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



13.7330, 11.6470, 7.8276



11.1487, 11.6470, 5.6074



8.7758, 11.6470, 19.2150



10.9919, 11.6470, 24.0717

Sweetspot

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



13.7333, 11.6476, 7.8278



33.5252, 33.5339, 32.9888



15.1551, 10.9554, 19.2021



7.6468, 7.5853, 7.3346



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.7333, 11.6476, 7.8278



22.5400, 17.8627, 9.9074



16.4270, 17.0350, 8.7257



4.7388, 4.8212, 4.9102



9.5543, 5.4311, 0.5447



0.0372, 0.0270, 0.0032

Inverse Universe

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



13.5605, 16.4873, 23.9404



22.1715, 27.6560, 42.6227



10.6170, 10.6003, 22.9592



4.7286, 5.1328, 5.9422



9.1228, 11.7934, 22.9322



0.0364, 0.0504, 0.0810

Previews

White Background



This preview shows how the XYZ color 13.7330, 11.6470, 7.8276 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 13.7330, 11.6470, 7.8276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

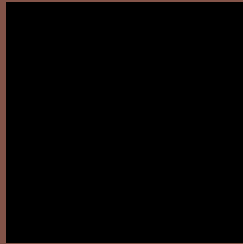
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7330, 11.6470, 7.8276

Background



This preview shows how black text looks on a background with the XYZ color 13.7330, 11.6470, 7.8276.

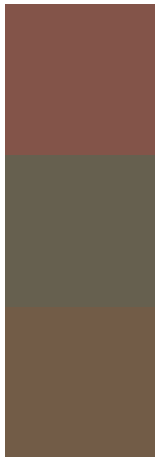


This preview shows how white text looks on a background with the XYZ color 13.7330, 11.6470,

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

13.7330, 11.6470, 7.8276

Protanopia

11.0736, 11.7550, 9.0824

Deuteranopia

11.9039, 11.6866, 7.5896



Tritanopia

14.2945, 11.6447, 10.7268

Trichromacy



Original Color

13.7330, 11.6470, 7.8276

Protanomaly

11.9768, 11.7008, 8.6484

Deuteranomaly

12.4878, 11.6057, 7.7128

Tritanomaly

14.1703, 11.7166, 9.6983

Monochromacy



Original Color

13.7330, 11.6470, 7.8276

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.8953, 11.6101, 10.8465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7330, 11.6470, 7.8276 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(131, 84, 73)` looks like.

```
.text, #text, p{  
    color:rgb(131, 84, 73)  
}
```

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(131, 84, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 84, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.7330, 11.6470, 7.8276 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(131, 84, 73) }
```


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

```
.border{ border-color:rgb(131, 84, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 84, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 84, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 84, 73);  
box-shadow:4px 4px 4px 4px rgb(131, 84,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7330, 11.6470, 7.8276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 84, 73) }
```

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

```
.background{ background-color: rgb(131, 84,  
73) }
```

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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