

Converting Colors

XYZ(13.0162, 10.7073, 10.8150)

Have a look what the booklet for
XYZ(13.0162, 10.7073, 10.8150)
contains.

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Color

**XYZ(12.9840, 10.7437,
10.8406)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5059
RGB	124, 80, 89
RGB Percent	49%, 31%, 35%
CMY	0.5137, 0.6863, 0.6510
CMYK	0.00, 0.35, 0.28, 0.51
HSL	348°, 22%, 40%
HSV	348°, 35%, 49%
XYZ	12.9840, 10.7437, 10.8406
YIQ	94.1820, 23.3350, 12.1270

Conversions

Conversions Part 2

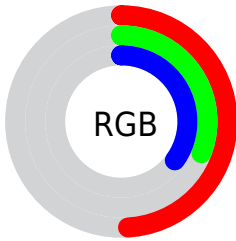
Format	Color
R_{YB}	124, 80, 89
Decimal	8147033
CIE _{Lab}	39.15, 19.81, 2.38
CIE _{LCh}	39, 19.957, 6.856
Yxy	10.7437, 0.3756, 0.3108
Android (android.graphics.Color)	4286337113 (0xFF7C5059)
YUV	94.1820, -2.5547, 26.1504
Hunter-Lab	32.7776, 13.3474, 3.3352

Details

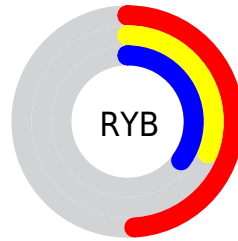
The XYZ color **12.9840, 10.7437, 10.8406** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.6109, 17.3588, 18.8538**, and the grayscale version is **10.6847, 11.2411, 12.2416**.

A 20% lighter version of the original color is **31.0029, 27.2943, 28.0604**, and **3.8507, 2.7817, 2.7168** is the 20% darker color. If you saturate the color by 10%, you get **11.7717, 8.9380, 8.5280**, and if you desaturate by 10%, it is **14.4201, 12.9078, 13.5020**.

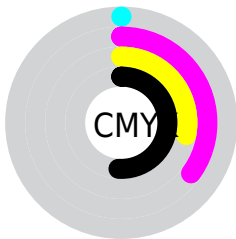
Distribution



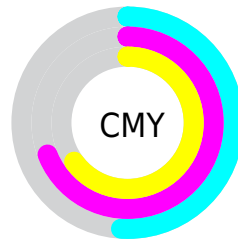
- Red (49%)
- Green (31%)
- Blue (35%)



- Red (49%)
- Yellow (31%)
- Blue (35%)



- Cyan (0%)
- Magenta (35%)
- Yellow (28%)
- Black (51%)



- Cyan (51%)
- Magenta (69%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9840, 10.7437, 10.8406 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 12.9840, 10.7437, 10.8406 by changing the saturation by 10% instead.

■ 12.9840, 10.7437,
10.8406

■ 12.9840, 10.7437,
10.8406

204.4548,
195.9006, 207.2687

■ 7.4945, 5.8948,
5.8469

■ 30.8766, 27.1852,
27.9972

■ 3.8223, 2.7812,
2.6849

■ 44.0104, 39.5466,
40.9971

■ 1.6021, 1.0186,
0.9358

■ 60.4229, 55.1810,
57.5030

■ 0.3938, 0.0000,
0.0000

■ 80.4796, 74.4727,
77.9332

■ 0.0000, 0.0000,
0.0000

■ 104.5457, 97.8061,
102.7063

132.9868,

125.5656, 132.2409

166.1680,
158.1357, 166.9555

■ 12.9840, 10.7437,
10.8406

■ 12.9840, 10.7437,
10.8406

■ 11.7717, 8.9380,
8.5280

■ 14.4201, 12.9078,
13.5020

■ 10.7707, 7.4699,
6.5488

■ 16.0895, 15.4466,
16.5251

■ 9.9690, 6.3186,
4.8875


■ 18.0026, 18.3773,
19.9233


■ 9.3526, 5.4606,
3.5273


■ 20.1687, 21.7157,
23.7089


■ 8.9061, 4.8688,
2.4494


■ 22.5965, 25.4765,
27.8936


 8.6050, 4.4995,
1.6309

 25.2946, 29.6738,
32.4888

 8.4915, 4.3568,
1.3334

 28.2708, 34.3210,
37.5051

 31.5331, 39.4309,
42.9531

 35.0886, 45.0160,
48.8429

Harmonies

Analogous

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



12.7639, 10.7437, 14.8387



12.9840, 10.7437, 10.8406



12.4109, 10.7437, 7.8127

Triad

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



12.9840, 10.7437, 10.8406



8.7452, 10.7437, 6.7385



9.2336, 10.7437, 19.8627

Complementary

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



12.9840, 10.7437, 10.8406



13.6109, 17.3588, 18.8538

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.



8.2887, 10.7437, 16.6959



12.9840, 10.7437, 10.8406



8.0244, 10.7437, 9.0351

Square

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



12.9840, 10.7437, 10.8406



9.9076, 10.7437, 5.8028



7.8649, 10.7437, 12.5996



10.5217, 10.7437, 20.6415

Rectangle

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



12.9840, 10.7437, 10.8406



11.6834, 10.7437, 6.5508



7.8649, 10.7437, 12.5996



8.8689, 10.7437, 19.0132

Sweetspot

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



12.9843, 10.7442, 10.8408



29.6812, 29.2730, 31.5222



13.5074, 10.8019, 20.4418



6.9057, 6.7646, 7.2731



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.



12.9843, 10.7442, 10.8408



21.0033, 16.1551, 15.5644



13.6282, 12.6002, 9.3039



4.0287, 4.0272, 4.3490



8.6316, 4.4288, 1.3511



40.9195, 21.0241, 5.1060

Inverse Universe

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



12.9843, 10.7442, 10.8408



21.0033, 16.1551, 15.5644



12.6896, 14.6467, 21.2271



4.0287, 4.0272, 4.3490



8.6316, 4.4288, 1.3511



40.9195, 21.0241, 5.1060

Previews

White Background



This preview shows how the XYZ color 12.9840, 10.7437, 10.8406 looks on a white background.

Color Contrast Check

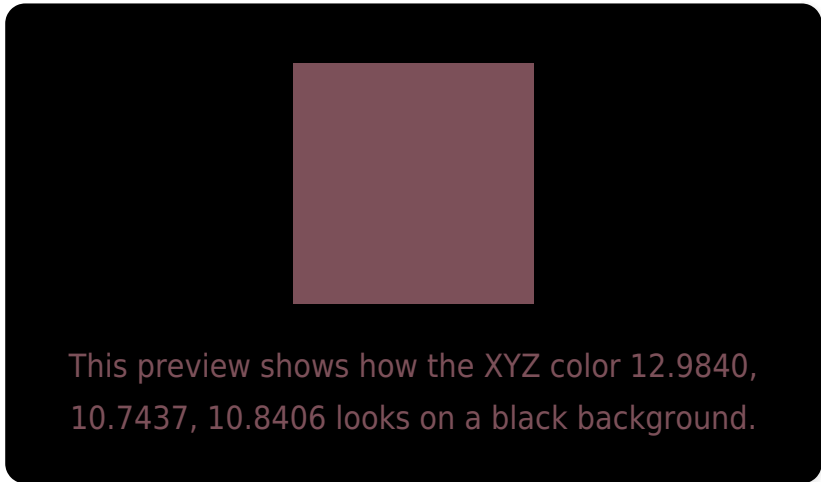
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.9840, 10.7437, 10.8406

Background



This preview shows how black text looks on a background with the XYZ color 12.9840, 10.7437, 10.8406.



This preview shows how white text looks on a background with the XYZ color 12.9840, 10.7437,

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

12.9840, 10.7437, 10.8406

Protanopia

10.4527, 10.8260, 12.6050

Deuteranopia

10.8862, 10.7164, 10.5115



Tritanopia

12.8606, 10.6943, 10.1905

Trichromacy



Original Color

12.9840, 10.7437, 10.8406

Protanomaly

11.1744, 10.7128, 11.8347

Deuteranomaly

11.6448, 10.7397, 10.6917

Tritanomaly

12.9011, 10.7105, 10.4042

Monochromacy



Original Color

12.9840, 10.7437, 10.8406

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.3298, 10.9207, 11.6360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9840, 10.7437, 10.8406 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(124, 80, 89)` looks like.

```
.text, #text, p{  
    color:rgb(124, 80, 89)  
}
```

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(124, 80, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 80, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.9840, 10.7437, 10.8406 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(124, 80, 89) }
```


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

```
.border{ border-color:rgb(124, 80, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 80, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 80, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 80, 89);  
box-shadow:4px 4px 4px 4px rgb(124, 80,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9840, 10.7437, 10.8406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 80, 89) }
```

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

```
.background{ background-color: rgb(124, 80,  
89) }
```

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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