

Converting Colors

XYZ(12.8546, 12.1179, 12.2332)

Have a look what the booklet for
XYZ(12.8546, 12.1179, 12.2332)
contains.

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Color

**XYZ(12.7870, 12.0399,
12.2397)**

Conversions

Conversions Part 1

Format	Color
Hex	725C5E
RGB	114, 92, 94
RGB Percent	45%, 36%, 37%
CMY	0.5529, 0.6392, 0.6314
CMYK	0.00, 0.19, 0.18, 0.55
HSL	355°, 11%, 40%
HSV	355°, 19%, 45%
XYZ	12.7870, 12.0399, 12.2397
YIQ	98.8060, 12.4700, 5.2860

Conversions

Conversions Part 2

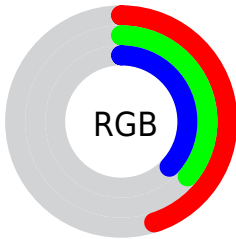
Format	Color
RYB	114, 92, 94
Decimal	7494750
CIELab	41.28, 9.31, 2.23
CIElCh	41, 9.571, 13.499
Yxy	12.0399, 0.3450, 0.3248
Android (android.graphics.Color)	4285684830 (0xFF725C5E)
YUV	98.8060, -2.3694, 13.3251
Hunter-Lab	34.6986, 5.0578, 3.3748

Details

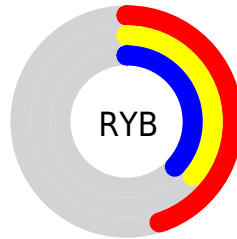
The XYZ color **12.7870, 12.0399, 12.2397** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3561, 15.4801, 17.6141**, and the grayscale version is **11.8148, 12.4301, 13.5364**.

A 20% lighter version of the original color is **30.4329, 29.4666, 30.4692**, and **3.7573, 3.3256, 3.2402** is the 20% darker color. If you saturate the color by 10%, you get **11.4385, 10.0379, 9.6476**, and if you desaturate by 10%, it is **14.3473, 14.3653, 15.2109**.

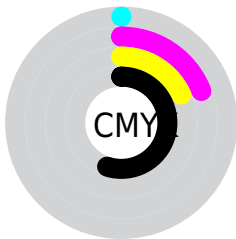
Distribution



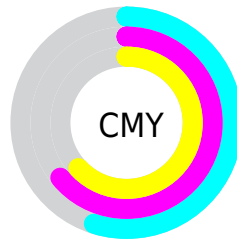
- Red (45%)
- Green (36%)
- Blue (37%)



- Red (45%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (19%)
- Yellow (18%)
- Black (55%)



- Cyan (55%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7870, 12.0399, 12.2397 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 12.7870, 12.0399, 12.2397 by changing the saturation by 10% instead.

■ 12.7870, 12.0399,
12.2397

■ 12.7870, 12.0399,
12.2397

203.2133,
204.6693, 217.0197

■ 7.3580, 6.7709,
6.7826

■ 30.5252, 29.5678,
30.6018

■ 3.7353, 3.3192,
3.2501

■ 43.5651, 42.5954,
44.3440

■ 1.5535, 1.3006,
1.2237

■ 59.8727, 58.9779,
61.6848

■ 0.3618, 0.1416,
0.0000

■ 79.8133, 79.0999,
83.0430

■ 0.0000, 0.0000,
0.0000

103.7523,
103.3456, 108.8371

132.0551,

132.0995, 139.4855

165.0870,
165.7459, 175.4069

■ 12.7870, 12.0399,
12.2397

■ 12.7870, 12.0399,
12.2397

■ 11.4385, 10.0379,
9.6476

■ 14.3473, 14.3653,
15.2109

■ 10.2917, 8.3434,
7.4186

■ 16.1268, 17.0257,
18.5747

■ 9.3372, 6.9416,
5.5367

■ 18.1341, 20.0343,
22.3451

■ 8.5644, 5.8159,
3.9844

■ 20.3768, 23.4030,
26.5350

■ 7.9617, 4.9481,
2.7426

■ 22.8621, 27.1433,
31.1568

■ 7.5162, 4.3177,
1.7904

■ 25.5972, 31.2659,
36.2224

■ 7.2130, 3.9011,
1.1043

■ 28.5885, 35.7813,
41.7431

■ 7.0091, 3.6192,
0.6483

■ 31.8427, 40.6995,
47.7300

■ 6.9962, 3.6001,
0.6235

■ 35.3659, 46.0303,
54.1937

Harmonies

Analogous

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



12.7676, 12.0399, 14.2220



12.7870, 12.0399, 12.2397



12.4363, 12.0399, 10.6570

Triad

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



12.7870, 12.0399, 12.2397



10.5517, 12.0399, 10.5345



11.0697, 12.0399, 17.1139

Complementary

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



12.7870, 12.0399, 12.2397



13.3561, 15.4801, 17.6141

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.



10.5051, 12.0399, 15.9118



12.7870, 12.0399, 12.2397



10.2144, 12.0399, 12.0564

Square

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



12.7870, 12.0399, 12.2397



11.1357, 12.0399, 9.7416



10.1977, 12.0399, 14.0194



11.7570, 12.0399, 17.1757

Rectangle

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



12.7870, 12.0399, 12.2397



12.0477, 12.0399, 9.9858



10.1977, 12.0399, 14.0194



10.8600, 12.0399, 16.8247

Sweetspot

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



12.7873, 12.0404, 12.2400



26.1523, 26.6478, 28.5112



13.5215, 12.3014, 17.5815



6.0162, 6.1150, 6.5332



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.7873, 12.0404, 12.2400



21.4080, 19.5785, 19.4718



13.5059, 13.6192, 12.0429



3.3957, 3.4060, 3.6104



7.7847, 4.0062, 0.6761



38.6307, 19.8976, 2.5873

Inverse Universe

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



12.7873, 12.0404, 12.2400



21.4080, 19.5785, 19.4718



12.5234, 13.6347, 17.8914



3.3957, 3.4060, 3.6104



7.7847, 4.0062, 0.6761



38.6307, 19.8976, 2.5873

Previews

White Background



This preview shows how the XYZ color 12.7870, 12.0399, 12.2397 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 12.7870, 12.0399, 12.2397 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 12.7870, 12.0399, 12.2397

Background



This preview shows how black text looks on a background with the XYZ color 12.7870, 12.0399, 12.2397.



This preview shows how white text looks on a background with the XYZ color 12.7870, 12.0399,

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

12.7870, 12.0399, 12.2397

Protanopia

11.5780, 12.0651, 13.0278

Deuteranopia

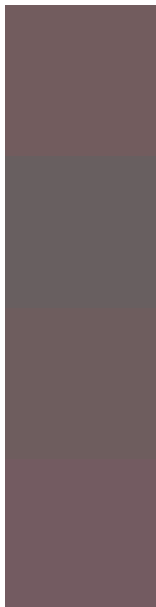
12.2074, 12.0017, 12.2628



Tritanopia

13.0159, 12.0089, 13.1872

Trichromacy



Original Color

12.7870, 12.0399, 12.2397

Protanomaly

11.9124, 11.9720, 12.7493

Deuteranomaly

12.3651, 11.9519, 12.2449

Tritanomaly

12.9690, 11.9901, 12.9400

Monochromacy



Original Color

12.7870, 12.0399, 12.2397

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0495, 12.1719, 13.0236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7870, 12.0399, 12.2397 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(114, 92, 94) looks like.

```
.text, #text, p{  
    color:rgb(114, 92, 94)  
}
```

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(114, 92, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 92, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.7870, 12.0399, 12.2397 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(114, 92, 94) }
```


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

```
.border{ border-color:rgb(114, 92, 94) }
```

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

Here you see how a box with a 4 pixel rgb(114, 92, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 92, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 92, 94);  
box-shadow:4px 4px 4px 4px rgb(114, 92,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7870, 12.0399, 12.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 92, 94) }
```

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

```
.background{ background-color: rgb(114, 92,  
94) }
```

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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