

Converting Colors

XYZ(12.4021, 9.8454, 9.7501)

Have a look what the booklet for
XYZ(12.4021, 9.8454, 9.7501)
contains.

XYZ(12.4007, 9.8385, 9.8398)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4007, 9.8385,
9.8398)**

Conversions

Conversions Part 1

Format	Color
Hex	7C4A55
RGB	124, 74, 85
RGB Percent	49%, 29%, 33%
CMY	0.5137, 0.7098, 0.6667
CMYK	0.00, 0.40, 0.31, 0.51
HSL	347°, 25%, 39%
HSV	347°, 40%, 49%
XYZ	12.4007, 9.8385, 9.8398
YIQ	90.2040, 26.2690, 14.0210

Conversions

Conversions Part 2

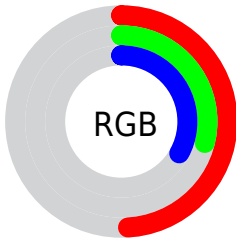
Format	Color
R_{YB}	124, 74, 85
Decimal	8145493
CIE _{Lab}	37.55, 22.77, 2.58
CIE _{LCh}	38, 22.916, 6.460
Yxy	9.8385, 0.3866, 0.3067
Android (android.graphics.Color)	4286335573 (0xFF7C4A55)
YUV	90.2040, -2.5656, 29.6391
Hunter-Lab	31.3664, 15.6788, 3.3569

Details

The XYZ color **12.4007, 9.8385, 9.8398** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **13.0128, 17.0637, 18.2314**, and the grayscale version is **9.7657, 10.2743, 11.1887**.

A 20% lighter version of the original color is **29.9409, 25.6296, 26.2906**, and **3.5459, 2.4002, 2.2839** is the 20% darker color. If you saturate the color by 10%, you get **11.2946, 8.1999, 7.7031**, and if you desaturate by 10%, it is **13.7231, 11.8255, 12.3080**.

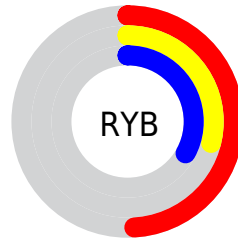
Distribution



Red (49%)

Green (29%)

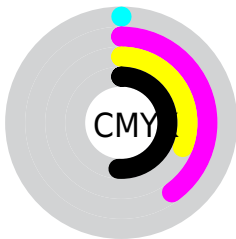
Blue (33%)



Red (49%)

Yellow (29%)

Blue (33%)

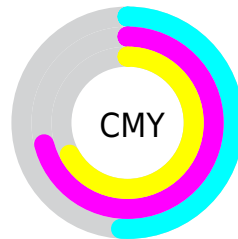


Cyan (0%)

Magenta (40%)

Yellow (31%)

Black (51%)



Cyan (51%)

Magenta (71%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4007, 9.8385, 9.8398 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 12.4007, 9.8385, 9.8398 by changing the saturation by 10% instead.

12.4007, 9.8385,
9.8398

12.4007, 9.8385,
9.8398

200.7565,
189.5155, 199.9679

7.0913, 5.2920,
5.1887

29.8334, 25.4913,
26.0968

3.5661, 2.4196,
2.2977

42.6874, 37.3664,
38.5398

1.4597, 0.8359,
0.7299

58.7870, 52.4531,
54.4171

0.2982, 0.0000,
0.0000

78.4976, 71.1359,
74.1473

0.0000, 0.0000,
0.0000

102.1845, 93.7992,
98.1490

130.2130,

120.8272, 126.8406

162.9486,
152.6046, 160.6407

■ 12.4007, 9.8385,
9.8398

■ 12.4007, 9.8385,
9.8398

■ 11.2946, 8.1999,
7.7031

■ 13.7231, 11.8255,
12.3080

■ 10.3923, 6.8881,
5.8830

■ 15.2718, 14.1781,
15.1207

■ 9.6811, 5.8814,
4.3642

■ 17.0572, 16.9137,
18.2907

■ 9.1466, 5.1548,
3.1299

■ 19.0888, 20.0486,
21.8300

■ 8.7721, 4.6795,
2.1615

■ 21.3757, 23.5979,
25.7503

■ 8.5133, 4.3655,
1.4477

■ 23.9262, 27.5759,
30.0624

■ 26.7485, 31.9965,
34.7769

■ 29.8504, 36.8726,
39.9039

■ 33.2392, 42.2167,
45.4532

Harmonies

Analogous

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



12.1441, 9.8385, 14.2244



12.4007, 9.8385, 9.8398



11.7749, 9.8385, 6.6370

Triad

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



12.4007, 9.8385, 9.8398



7.7918, 9.8385, 5.4926



8.2824, 9.8385, 19.8155

Complementary

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



12.4007, 9.8385, 9.8398



13.0128, 17.0637, 18.2314

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.



7.2853, 9.8385, 16.1862



12.4007, 9.8385, 9.8398



7.0231, 9.8385, 7.8321

Square

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



12.4007, 9.8385, 9.8398



9.0413, 9.8385, 4.5806



6.8477, 9.8385, 11.6352



9.6681, 9.8385, 20.7538

Rectangle

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



12.4007, 9.8385, 9.8398



10.9760, 9.8385, 5.3445



6.8477, 9.8385, 11.6352



7.8952, 9.8385, 18.8312

Sweetspot

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



12.4010, 9.8390, 9.8400



29.3655, 28.7637, 31.0406



12.8118, 9.8199, 20.2892



6.8385, 6.6552, 7.1735



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.



12.4010, 9.8390, 9.8400



20.0866, 14.7397, 13.9702



12.9838, 11.6505, 8.0435



4.0311, 4.0282, 4.3613



8.6536, 4.4376, 1.4670



41.0104, 21.0605, 5.5850

Inverse Universe

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



12.4010, 9.8390, 9.8400



20.0866, 14.7397, 13.9702



12.1107, 14.2078, 21.1731



4.0311, 4.0282, 4.3613



8.6536, 4.4376, 1.4670



41.0104, 21.0605, 5.5850

Previews

White Background



This preview shows how the XYZ color 12.4007, 9.8385, 9.8398 looks on a white background.

Color Contrast Check

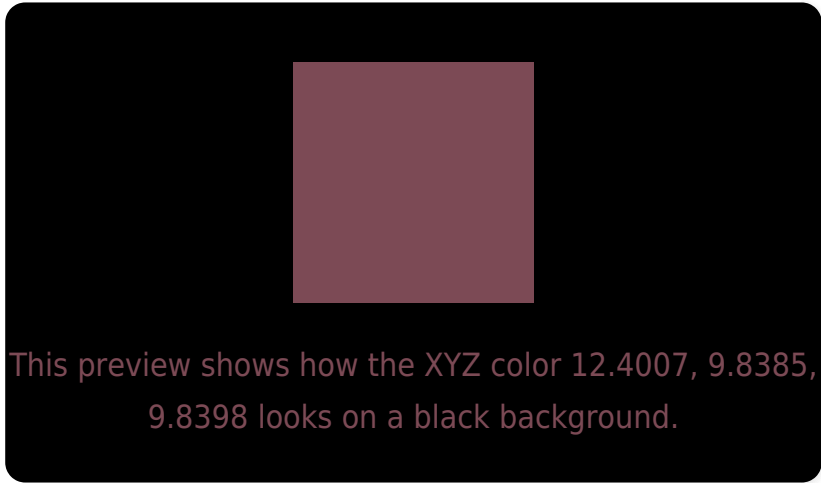
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.4007, 9.8385, 9.8398

Background



This preview shows how black text looks on a background with the XYZ color 12.4007, 9.8385, 9.8398.



This preview shows how white text looks on a background with the XYZ color 12.4007, 9.8385, 9.8398.

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

12.4007, 9.8385, 9.8398

Protanopia

9.5853, 9.8936, 11.7604

Deuteranopia

10.1447, 9.9894, 9.5771



Tritanopia

12.2762, 9.8964, 8.8526

Trichromacy



Original Color

12.4007, 9.8385, 9.8398

Protanomaly

10.4182, 9.7495, 11.0056

Deuteranomaly

10.9242, 9.9259, 9.7276

Tritanomaly

12.3512, 9.9264, 9.2477

Monochromacy



Original Color

12.4007, 9.8385, 9.8398

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.4113, 9.8700, 10.5889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4007, 9.8385, 9.8398 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, 74, 85)` looks like.

```
.text, #text, p{  
    color:rgb(124, 74, 85)  
}
```

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, 74, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 74, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.4007, 9.8385, 9.8398 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, 74, 85) }
```


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

```
.border{ border-color:rgb(124, 74, 85) }
```

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

Here you see how a box with a 4 pixel rgb(124, 74, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 74, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 74, 85);  
box-shadow:4px 4px 4px 4px rgb(124, 74,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4007, 9.8385, 9.8398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 74, 85) }
```

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

```
.background{ background-color: rgb(124, 74,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor