

Converting Colors

XYZ(12.3980, 9.9071, 7.3638)

Have a look what the booklet for
XYZ(12.3980, 9.9071, 7.3638)
contains.

XYZ(12.3709, 9.8775, 7.3854)	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(12.3709, 9.8775,
7.3854)**

Conversions

Conversions Part 1

Format	Color
Hex	7F4A48
RGB	127, 74, 72
RGB Percent	50%, 29%, 28%
CMY	0.5020, 0.7098, 0.7176
CMYK	0.00, 0.42, 0.43, 0.50
HSL	2°, 28%, 39%
HSV	2°, 43%, 50%
XYZ	12.3709, 9.8775, 7.3854
YIQ	89.6190, 32.2300, 10.6140

Conversions

Conversions Part 2

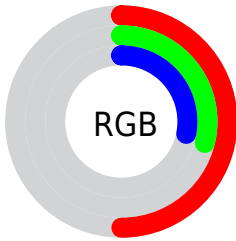
Format	Color
R_{YB}	127, 74, 72
Decimal	8342088
CIE _{Lab}	37.62, 22.26, 10.89
CIE _{LCh}	38, 24.782, 26.059
Yxy	9.8775, 0.4175, 0.3333
Android (android.graphics.Color)	4286532168 (0xFF7F4A48)
YUV	89.6190, -8.6862, 32.7831
Hunter-Lab	31.4285, 15.2614, 8.0674

Details

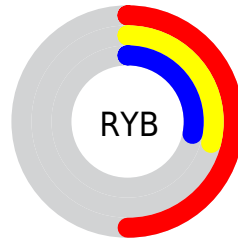
The XYZ color **12.3709, 9.8775, 7.3854** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **13.8365, 17.5764, 22.7420**, and the grayscale version is **9.6470, 10.1494, 11.0527**.

A 20% lighter version of the original color is **29.8892, 25.7165, 21.1577**, and **3.5387, 2.4151, 1.4420** is the 20% darker color. If you saturate the color by 10%, you get **11.2596, 8.2508, 5.1778**, and if you desaturate by 10%, it is **13.7273, 11.8573, 10.0973**.

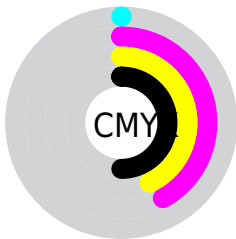
Distribution



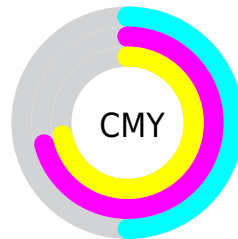
- Red (50%)
- Green (29%)
- Blue (28%)



- Red (50%)
- Yellow (29%)
- Blue (28%)



- Cyan (0%)
- Magenta (42%)
- Yellow (43%)
- Black (50%)



- Cyan (50%)
- Magenta (71%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3709, 9.8775, 7.3854 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 12.3709, 9.8775, 7.3854 by changing the saturation by 10% instead.

12.3709, 9.8775,
7.3854

12.3709, 9.8775,
7.3854

200.5657,
189.7955, 180.5794

7.0708, 5.3178,
3.6222

29.7799, 25.5648,
21.2704

3.5531, 2.4349,
1.4205

42.6195, 37.4613,
32.2292

1.4526, 0.8438,
0.1576

58.7029, 52.5721,
46.4237

0.2932, 0.0000,
0.0000

78.3956, 71.2817,
64.2723

0.0000, 0.0000,
0.0000

102.0629, 93.9744,
86.1937

130.0701,

121.0347, 112.6063

162.7825,
152.8469, 143.9287

■ 12.3709, 9.8775,
7.3854

■ 12.3709, 9.8775,
7.3854

■ 11.2596, 8.2508,
5.1778

■ 13.7273, 11.8573,
10.0973

■ 10.3780, 6.9552,
3.4428

■ 15.3414, 14.2078,
13.3412

■ 9.7104, 5.9683,
2.1461

■ 17.2259, 16.9470,
17.1438

■ 9.2384, 5.2645,
1.2485

■ 19.3923, 20.0915,
21.5294

■ 8.9406, 4.8138,
0.7020

■ 21.8515, 23.6567,
26.5214

■ 8.8026, 4.6125,
0.4263

■ 24.6140, 27.6574,
32.1414

■ 27.6896, 32.1076,
38.4102

■ 31.0876, 37.0206,
45.3477

■ 34.8170, 42.4094,
52.9728

Harmonies

Analogous

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



12.7348, 9.8775, 11.3604



12.3709, 9.8775, 7.3854



11.1774, 9.8775, 5.0571

Triad

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



12.3709, 9.8775, 7.3854



7.0992, 9.8775, 6.6126



9.1822, 9.8775, 21.8964

Complementary

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



12.3709, 9.8775, 7.3854



13.8365, 17.5764, 22.7420

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.



7.8010, 9.8775, 19.6440



12.3709, 9.8775, 7.3854



6.6863, 9.8775, 10.1713

Square

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



12.3709, 9.8775, 7.3854



8.1231, 9.8775, 4.7061



6.9283, 9.8775, 15.0192



10.7784, 9.8775, 20.5457

Rectangle

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



12.3709, 9.8775, 7.3854



10.1348, 9.8775, 4.3553



6.9283, 9.8775, 15.0192



8.6793, 9.8775, 21.5222

Sweetspot

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



12.3712, 9.8780, 7.3856



30.8465, 30.3468, 30.6985



14.7821, 10.6318, 20.7310



7.0614, 6.8716, 6.8627



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.3712, 9.8780, 7.3856



20.1756, 14.7933, 9.2965



14.6083, 14.3522, 8.1313



4.3394, 4.3674, 4.5344



8.8775, 4.6513, 0.4299



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.8365, 17.5764, 22.7420



23.1594, 30.4867, 40.6202



10.8399, 11.5832, 21.7431



4.4334, 4.8609, 5.5178



10.9285, 15.6755, 22.6996



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3709, 9.8775, 7.3854 looks on a white background.

Color Contrast Check

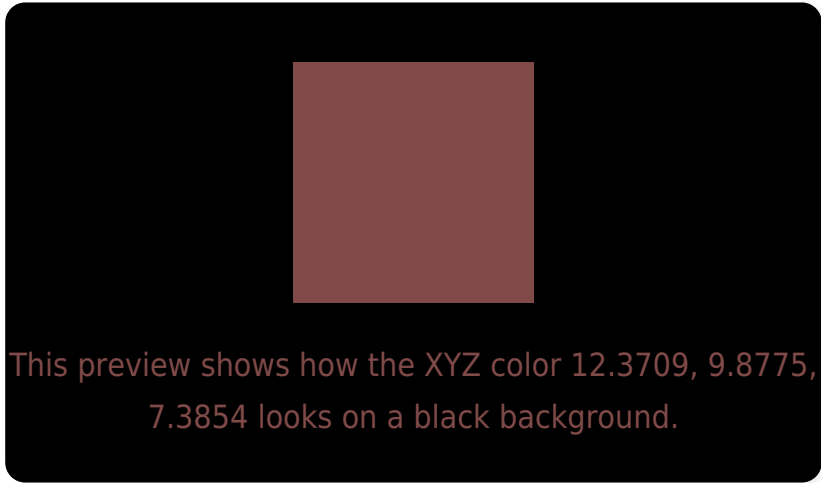
Large Text (above 18pt) WCAG AA ✓ Pass

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

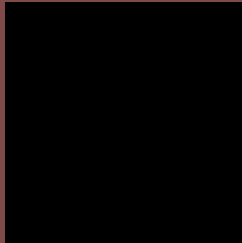
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3709, 9.8775, 7.3854

Background



This preview shows how black text looks on a background with the XYZ color 12.3709, 9.8775, 7.3854.



This preview shows how white text looks on a background with the XYZ color 12.3709, 9.8775,

7.3854.

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

12.3709, 9.8775, 7.3854

Protanopia

9.4979, 10.0364, 8.8338

Deuteranopia

10.0629, 9.8823, 7.1714



Tritanopia

12.6598, 9.9043, 8.4522

Trichromacy



Original Color

12.3709, 9.8775, 7.3854

Protanomaly

10.3005, 9.8657, 8.1989

Deuteranomaly

10.7619, 9.7845, 7.2826

Tritanomaly

12.5891, 9.8761, 8.0802

Monochromacy



Original Color

12.3709, 9.8775, 7.3854

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.3252, 9.8487, 9.5404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3709, 9.8775, 7.3854 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(127, 74, 72)` looks like.

```
.text, #text, p{  
    color:rgb(127, 74, 72)  
}
```

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(127, 74, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 74, 72) }
```

Border

The CSS property to change the border of an element to XYZ 12.3709, 9.8775, 7.3854 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(127, 74, 72) }
```


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

```
.border{ border-color:rgb(127, 74, 72) }
```

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

Here you see how a box with a 4 pixel rgb(127, 74, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 74, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 74, 72);  
box-shadow:4px 4px 4px 4px rgb(127, 74,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3709, 9.8775, 7.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 74, 72) }
```

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

```
.background{ background-color: rgb(127, 74,  
72) }
```

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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