

Converting Colors

XYZ(12.2326, 9.8924, 7.9157)

Have a look what the booklet for
XYZ(12.2326, 9.8924, 7.9157)
contains.

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Color

**XYZ(12.2435, 9.9001,
7.9222)**

Conversions

Conversions Part 1

Format	Color
Hex	7D4B4B
RGB	125, 75, 75
RGB Percent	49%, 29%, 29%
CMY	0.5098, 0.7059, 0.7059
CMYK	0.00, 0.40, 0.40, 0.51
HSL	0°, 25%, 39%
HSV	0°, 40%, 49%
XYZ	12.2435, 9.9001, 7.9222
YIQ	89.9500, 29.8000, 10.6000

Conversions

Conversions Part 2

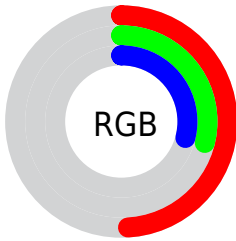
Format	Color
R_{YB}	125, 75, 75
Decimal	8211275
CIE _{Lab}	37.66, 21.21, 9.03
CIE _{LCh}	38, 23.055, 23.051
Yxy	9.9001, 0.4072, 0.3293
Android (android.graphics.Color)	4286401355 (0xFF7D4B4B)
YUV	89.9500, -7.3704, 30.7388
Hunter-Lab	31.4644, 14.3955, 7.0969

Details

The XYZ color **12.2435, 9.9001, 7.9222** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **13.9366, 17.6430, 22.0729**, and the grayscale version is **9.7185, 10.2247, 11.1346**.

A 20% lighter version of the original color is **29.4361, 25.4542, 22.4305**, and **3.5107, 2.4335, 1.5810** is the 20% darker color. If you saturate the color by 10%, you get **11.0909, 8.2136, 5.6306**, and if you desaturate by 10%, it is **13.6473, 11.9544, 10.7125**.

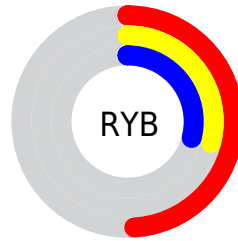
Distribution



Red (49%)

Green (29%)

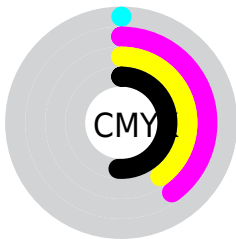
Blue (29%)



Red (49%)

Yellow (29%)

Blue (29%)

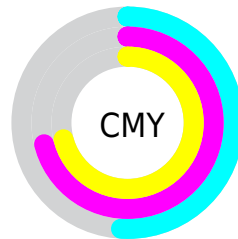


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (51%)



Cyan (51%)

Magenta (71%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2435, 9.9001, 7.9222 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 12.2435, 9.9001, 7.9222 by changing the saturation by 10% instead.

■ 12.2435, 9.9001,
7.9222

■ 12.2435, 9.9001,
7.9222

199.7479,
189.9576, 185.0323

■ 6.9831, 5.3328,
3.9581

■ 29.5508, 25.6074,
22.3494

■ 3.4978, 2.4438,
1.6024

■ 42.3285, 37.5162,
33.6497

■ 1.4221, 0.8483,
0.2925

■ 58.3427, 52.6410,
48.2324

■ 0.2719, 0.0000,
0.0000

■ 77.9586, 71.3660,
66.5162

■ 0.0000, 0.0000,
0.0000

■ 101.5418, 94.0758,
88.9195

129.4575,

121.1548, 115.8609

162.0711,
152.9872, 147.7590

■ 12.2435, 9.9001,
7.9222

■ 12.2435, 9.9001,
7.9222

■ 11.0909, 8.2136,
5.6306

■ 13.6473, 11.9544,
10.7125

■ 10.1740, 6.8719,
3.8078

■ 15.3151, 14.3948,
14.0280

■ 9.4767, 5.8515,
2.4217

■ 17.2596, 17.2403,
17.8938

■ 8.9807, 5.1257,
1.4358

■ 19.4928, 20.5080,
22.3333

■ 8.6646, 4.6632,
0.8075

■ 22.0257, 24.2142,
27.3685

■ 8.4575, 4.3601,
0.3958

■ 24.8687, 28.3744,
33.0204

■ 8.4575, 4.3601,
0.3958

■ 28.0319, 33.0030,
39.3089

■ 31.5248, 38.1141,
46.2529

■ 35.3567, 43.7211,
53.8706

Harmonies

Analogous

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



12.4882, 9.9001, 11.7842



12.2435, 9.9001, 7.9222



11.2044, 9.9001, 5.5370

Triad

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



12.2435, 9.9001, 7.9222



7.3355, 9.9001, 6.6250



9.0734, 9.9001, 20.9202

Complementary

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



12.2435, 9.9001, 7.9222



13.9366, 17.6430, 22.0729

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.



7.8177, 9.9001, 18.5869



12.2435, 9.9001, 7.9222



6.8840, 9.9001, 9.8337

Square

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



12.2435, 9.9001, 7.9222



8.3505, 9.9001, 4.9349



7.0509, 9.9001, 14.2525



10.5550, 9.9001, 20.0244

Rectangle

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



12.2435, 9.9001, 7.9222



10.2541, 9.9001, 4.7627



7.0509, 9.9001, 14.2525



8.6131, 9.9001, 20.4710

Sweetspot

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



12.2438, 9.9006, 7.9224



30.0653, 29.6403, 30.3685



14.6752, 10.8729, 20.7272



6.7573, 6.6228, 6.7457



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.



12.2438, 9.9006, 7.9224



20.0177, 14.9377, 10.3942



14.2846, 13.9824, 8.6027



4.3278, 4.3443, 4.5306



8.8271, 4.5507, 0.4131



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.9366, 17.6430, 22.0729



23.4947, 30.8403, 39.4588



11.1605, 12.0909, 21.1476



4.4464, 4.8869, 5.5222



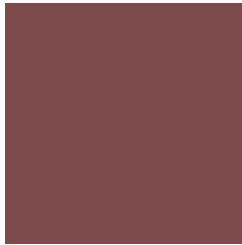
11.5166, 16.8517, 22.8957



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2435, 9.9001, 7.9222 looks on a white background.

Color Contrast Check

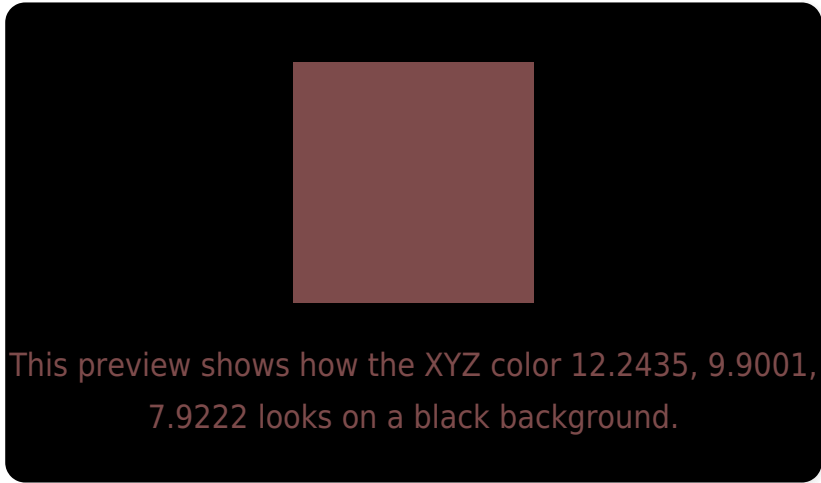
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2435, 9.9001, 7.9222

Background



This preview shows how black text looks on a background with the XYZ color 12.2435, 9.9001, 7.9222.



This preview shows how white text looks on a background with the XYZ color 12.2435, 9.9001,

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

12.2435, 9.9001, 7.9222

Protanopia

9.5090, 10.0293, 9.4173

Deuteranopia

10.1239, 10.0202, 7.7038



Tritanopia

12.3542, 9.8367, 8.8370

Trichromacy



Original Color

12.2435, 9.9001, 7.9222

Protanomaly

10.2905, 9.8482, 8.7557

Deuteranomaly

10.8089, 9.9085, 7.8214

Tritanomaly

12.2814, 9.8076, 8.4535

Monochromacy



Original Color

12.2435, 9.9001, 7.9222

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.4817, 10.0364, 9.9791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2435, 9.9001, 7.9222 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(125, 75, 75)` looks like.

```
.text, #text, p{  
    color:rgb(125, 75, 75)  
}
```

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(125, 75, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 75, 75) }
```

Border

The CSS property to change the border of an element to XYZ 12.2435, 9.9001, 7.9222 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(125, 75, 75) }
```


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

```
.border{ border-color:rgb(125, 75, 75) }
```

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

Here you see how a box with a 4 pixel rgb(125, 75, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 75, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 75, 75);  
box-shadow:4px 4px 4px 4px rgb(125, 75,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2435, 9.9001, 7.9222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 75, 75) }
```

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

```
.background{ background-color: rgb(125, 75,  
75) }
```

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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