

Converting Colors

XYZ(12.2300, 9.6872, 10.3125)

Have a look what the booklet for
XYZ(12.2300, 9.6872, 10.3125)
contains.

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Color

**XYZ(12.1289, 9.5908,
10.2288)**

Conversions

Conversions Part 1

Format	Color
Hex	7A4957
RGB	122, 73, 87
RGB Percent	48%, 29%, 34%
CMY	0.5216, 0.7137, 0.6588
CMYK	0.00, 0.40, 0.29, 0.52
HSL	343°, 25%, 38%
HSV	343°, 40%, 48%
XYZ	12.1289, 9.5908, 10.2288
YIQ	89.2470, 24.7100, 14.7420

Conversions

Conversions Part 2

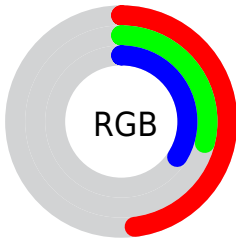
Format	Color
R_{YB}	122, 73, 87
Decimal	8014167
CIE Lab	37.10, 22.86, 0.63
CIE LCh	37, 22.867, 1.578
Yxy	9.5908, 0.3796, 0.3002
Android (android.graphics.Color)	4286204247 (0xFF7A4957)
YUV	89.2470, -1.1078, 28.7244
Hunter-Lab	30.9690, 15.7131, 2.0953

Details

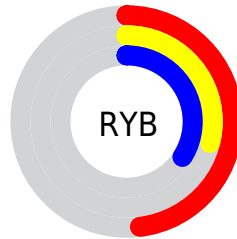
The XYZ color **12.1289, 9.5908, 10.2288** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **12.4144, 16.4185, 16.7030**, and the grayscale version is **9.5490, 10.0463, 10.9404**.

A 20% lighter version of the original color is **29.3794, 24.9553, 26.9353**, and **3.4084, 2.2906, 2.4530** is the 20% darker color. If you saturate the color by 10%, you get **11.0698, 8.0083, 8.2239**, and if you desaturate by 10%, it is **13.3888, 11.5060, 12.5130**.

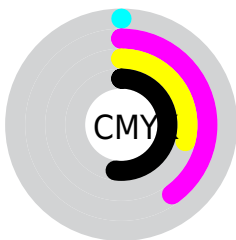
Distribution



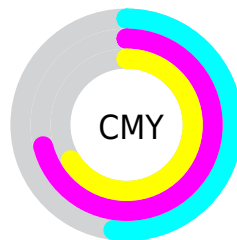
- Red (48%)
- Green (29%)
- Blue (34%)



- Red (48%)
- Yellow (29%)
- Blue (34%)



- Cyan (0%)
- Magenta (40%)
- Yellow (29%)
- Black (52%)




- Cyan (52%)
- Magenta (71%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1289, 9.5908, 10.2288 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 12.1289, 9.5908, 10.2288 by changing the saturation by 10% instead.

 12.1289, 9.5908,
10.2288


 12.1289, 9.5908,
10.2288


199.0093,
187.7261, 202.8411

 6.9043, 5.1285,
5.4433


 29.3445, 25.0229,
26.8395


 3.4481, 2.3229,
2.4464


 42.0662, 36.7616,
39.5018


 1.3949, 0.7858,
0.8116

 58.0177, 51.6944,
55.6268

 0.2526, 0.0000,
0.0000

 77.5644, 70.2059,
75.6330

 0.0000, 0.0000,
0.0000

 101.0715, 92.6805,
99.9390

128.9044,

119.5024, 128.9634

161.4286,
151.0561, 163.1245

■ 12.1289, 9.5908,
10.2288

■ 12.1289, 9.5908,
10.2288

■ 11.0698, 8.0083,
8.2239

■ 13.3888, 11.5060,
12.5130

■ 10.1999, 6.7380,
6.4866

■ 14.8587, 13.7700,
15.0863

■ 9.5077, 5.7593,
5.0052

■ 16.5481, 16.3996,
17.9589

■ 8.9799, 5.0485,
3.7667

■ 18.4657, 19.4101,
21.1401

■ 8.6015, 4.5782,
2.7571

■ 20.6196, 22.8159,
24.6390

■ 8.3273, 4.2581,
1.9617

■ 23.0177, 26.6307,
28.4641

■ 25.6675, 30.8675,
32.6238

■ 28.5760, 35.5386,
37.1261

■ 31.7501, 40.6560,
41.9785

Harmonies

Analogous

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



11.7361, 9.5908, 14.6276



12.1289, 9.5908, 10.2288



11.6473, 9.5908, 6.8577

Triad

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



12.1289, 9.5908, 10.2288



7.7585, 9.5908, 5.0942



7.8761, 9.5908, 18.9471

Complementary

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



12.1289, 9.5908, 10.2288



12.4144, 16.4185, 16.7030

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.



6.9805, 9.5908, 15.0997



12.1289, 9.5908, 10.2288



6.9178, 9.5908, 7.1435

Square

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



12.1289, 9.5908, 10.2288



9.0408, 9.5908, 4.4111



6.6482, 9.5908, 10.6597



9.1912, 9.5908, 20.3805

Rectangle

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



12.1289, 9.5908, 10.2288



10.9214, 9.5908, 5.4336



6.6482, 9.5908, 10.6597



7.5210, 9.5908, 17.8513

Sweetspot

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



12.1292, 9.5913, 10.2290



28.4474, 27.8120, 30.4745



11.9953, 9.3152, 19.5782



6.4367, 6.2534, 6.8534



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.1292, 9.5913, 10.2290



19.6467, 14.3431, 14.8008



12.3070, 10.7751, 7.7351



4.0410, 4.0321, 4.4138



8.7640, 4.4817, 2.0479



41.4816, 21.2490, 8.0664

Inverse Universe

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



12.1292, 9.5913, 10.2290



19.6467, 14.3431, 14.8008



12.0771, 14.4545, 20.5659



4.0410, 4.0321, 4.4138



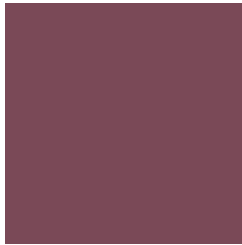
8.7640, 4.4817, 2.0479



41.4816, 21.2490, 8.0664

Previews

White Background



This preview shows how the XYZ color 12.1289, 9.5908, 10.2288 looks on a white background.

Color Contrast Check

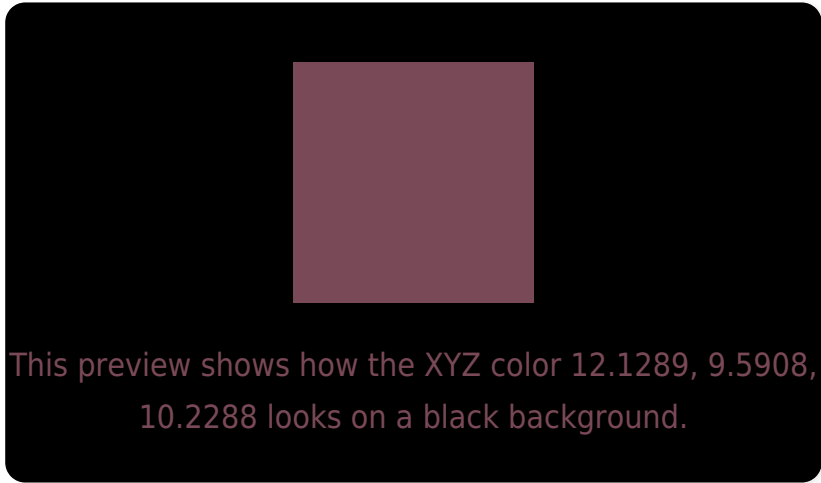
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1289, 9.5908, 10.2288

Background



This preview shows how black text looks on a background with the XYZ color 12.1289, 9.5908, 10.2288.



This preview shows how white text looks on a background with the XYZ color 12.1289, 9.5908,

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

12.1289, 9.5908, 10.2288

Protanopia

9.4042, 9.6689, 12.1971

Deuteranopia

9.8180, 9.6943, 9.9480



Tritanopia

11.7819, 9.5417, 8.8102

Trichromacy



Original Color

12.1289, 9.5908, 10.2288

Protanomaly

10.2046, 9.5166, 11.4243

Deuteranomaly

10.5660, 9.6209, 10.1042

Tritanomaly

11.8953, 9.5870, 9.4071

Monochromacy



Original Color

12.1289, 9.5908, 10.2288

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.2215, 9.6578, 10.5579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1289, 9.5908, 10.2288 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(122, 73, 87)` looks like.

```
.text, #text, p{  
    color:rgb(122, 73, 87)  
}
```

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(122, 73, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 73, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.1289, 9.5908, 10.2288 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(122, 73, 87) }
```


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

```
.border{ border-color:rgb(122, 73, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 73, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 73, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 73, 87);  
box-shadow:4px 4px 4px 4px rgb(122, 73,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1289, 9.5908, 10.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 73, 87) }
```

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

```
.background{ background-color: rgb(122, 73,  
87) }
```

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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