

Converting Colors

XYZ(12.8129, 7.9538, 1.9910)

Have a look what the booklet for
XYZ(12.8129, 7.9538, 1.9910)
contains.

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Color

**XYZ(12.8372, 7.9852,
2.0271)**

Conversions

Conversions Part 1

Format	Color
Hex	912D1D
RGB	145, 45, 29
RGB Percent	57%, 18%, 11%
CMY	0.4314, 0.8235, 0.8863
CMYK	0.00, 0.69, 0.80, 0.43
HSL	8°, 67%, 34%
HSV	8°, 80%, 57%
XYZ	12.8372, 7.9852, 2.0271
YIQ	73.0760, 64.7360, 16.2240

Conversions

Conversions Part 2

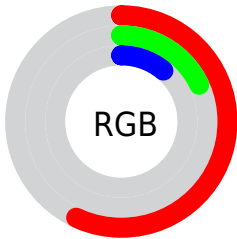
Format	Color
RYB	145, 48, 29
Decimal	9514269
CIELab	33.95, 41.22, 33.12
CIElCh	34, 52.879, 38.776
Yxy	7.9852, 0.5618, 0.3495
Android (android.graphics.Color)	4287704349 (0xFF912D1D)
YUV	73.0760, -21.7295, 63.0773
Hunter-Lab	28.2581, 31.6380, 15.5275

Details

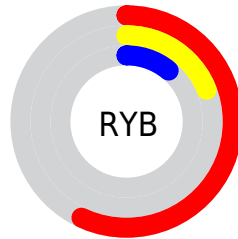
The XYZ color **12.8372, 7.9852, 2.0271** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **13.4670, 18.0044, 29.5533**, and the grayscale version is **6.3754, 6.7075, 7.3044**.

A 20% lighter version of the original color is **30.6876, 22.0229, 9.1120**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.2900, 7.1133, 1.1588**, and if you desaturate by 10%, it is **13.6105, 9.1743, 3.3874**.

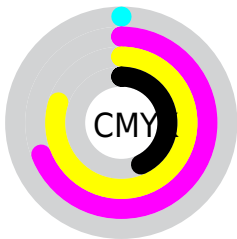
Distribution



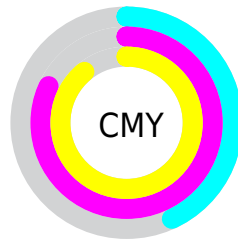
- Red (57%)
- Green (18%)
- Blue (11%)



- Red (57%)
- Yellow (19%)
- Blue (11%)



- Cyan (0%)
- Magenta (69%)
- Yellow (80%)
- Black (43%)



- Cyan (43%)
- Magenta (82%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8372, 7.9852, 2.0271 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 12.8372, 7.9852, 2.0271 by changing the saturation by 10% instead.

12.8372, 7.9852,
2.0271

12.8372, 7.9852,
2.0271

203.5304,
175.6159, 122.7962

7.3928, 4.0855,
0.5719

30.6148, 21.9294,
9.1148

3.7574, 1.7215,
0.0000

43.6787, 32.7427,
15.6351

1.5658, 0.4375,
0.0000

60.0131, 46.6293,
24.6978

0.3700, 0.0000,
0.0000

79.9834, 63.9736,
36.7215

0.0000, 0.0000,
0.0000

103.9549, 85.1601,
52.1246

132.2930,

110.5730, 71.3257

165.3631,
140.5968, 94.7434

12.8372, 7.9852,
2.0271

12.8372, 7.9852,
2.0271

12.2900, 7.1133,
1.1588

13.6105, 9.1743,
3.3874

11.9273, 6.5203,
0.6299

14.6312, 10.7061,
5.2984

11.9273, 6.5203,
0.6299

15.9185, 12.6050,
7.8109

17.4898, 14.8928,
10.9697

19.3608, 17.5896,
14.8156

■ 21.5461, 20.7140,
19.3857

■ 24.0593, 24.2836,
24.7148

■ 26.9133, 28.3149,
30.8350

■ 30.1201, 32.8236,
37.7770

Harmonies

Analogous

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



14.5661, 7.9852, 6.4729



12.8372, 7.9852, 2.0271



9.7994, 7.9852, 0.6464

Triad

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



12.8372, 7.9852, 2.0271



3.4793, 7.9852, 4.0900



8.4752, 7.9852, 36.0689

Complementary

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



12.8372, 7.9852, 2.0271



13.4670, 18.0044, 29.5533

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.



5.7399, 7.9852, 33.7977



12.8372, 7.9852, 2.0271



3.2960, 7.9852, 11.3739

Square

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



12.8372, 7.9852, 2.0271



4.5986, 7.9852, 1.2319



4.0116, 7.9852, 23.0754



11.6581, 7.9852, 28.1098

Rectangle

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



12.8372, 7.9852, 2.0271



7.7098, 7.9852, 0.3965



4.0116, 7.9852, 23.0754



7.4708, 7.9852, 36.5456

Sweetspot

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



12.8374, 7.9857, 2.0272



36.7534, 34.4808, 30.8689



16.1143, 8.4977, 21.7460



7.9031, 7.2798, 6.2970



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.8374, 7.9857, 2.0272



21.4845, 11.8596, 1.3735



16.6961, 15.7031, 3.3135



5.4652, 5.5367, 5.6700



10.2428, 5.6173, 0.5444



0.1072, 0.0723, 0.0083

Inverse Universe

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



13.4670, 18.0044, 29.5533



22.4699, 30.1551, 52.6098



7.9048, 6.8802, 27.6992



5.4977, 5.9912, 6.8954



10.6871, 14.3603, 25.1856



0.1135, 0.1599, 0.2446

Previews

White Background



This preview shows how the XYZ color 12.8372, 7.9852, 2.0271 looks on a white background.

Color Contrast Check

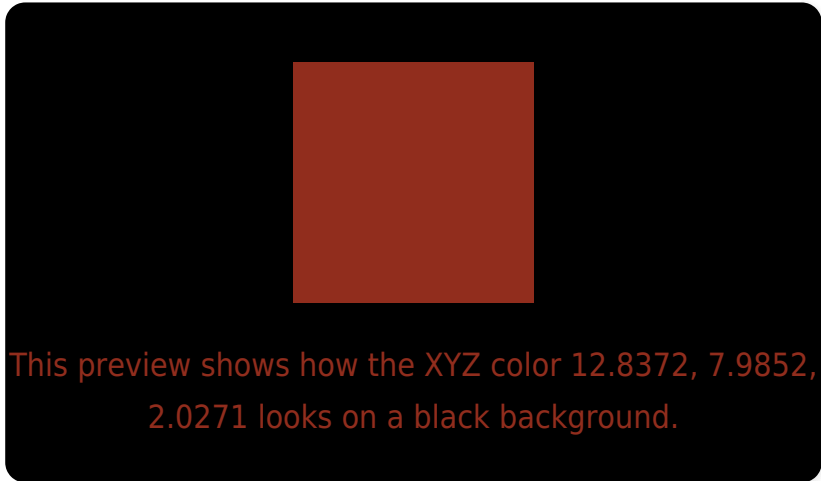
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8372, 7.9852, 2.0271

Background



This preview shows how black text looks on a background with the XYZ color 12.8372, 7.9852, 2.0271.



This preview shows how white text looks on a background with the XYZ color 12.8372, 7.9852,

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

12.8372, 7.9852, 2.0271

Protanopia

7.5251, 8.2050, 3.1066

Deuteranopia

8.2596, 8.1830, 1.8060



Tritanopia

13.0146, 7.9370, 3.3287

Trichromacy



Original Color

12.8372, 7.9852, 2.0271

Protanomaly

8.8009, 7.5706, 2.5875

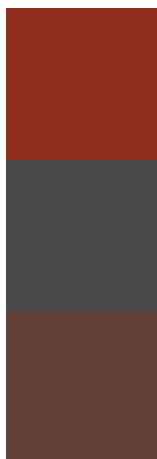
Deuteranomaly

9.5162, 7.6940, 1.7941

Tritanomaly

12.9439, 7.9676, 2.7751

Monochromacy



Original Color

12.8372, 7.9852, 2.0271

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.6616, 6.5031, 4.7223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8372, 7.9852, 2.0271 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(145, 45, 29)` looks like.

```
.text, #text, p{  
  color:rgb(145, 45, 29)  
}
```

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(145, 45, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 45, 29) }
```

Border

The CSS property to change the border of an element to XYZ 12.8372, 7.9852, 2.0271 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(145, 45, 29) }
```


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

```
.border{ border-color:rgb(145, 45, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 45, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 45, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 45, 29);  
box-shadow:4px 4px 4px 4px rgb(145, 45,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8372, 7.9852, 2.0271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 45, 29) }
```

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

```
.background{ background-color: rgb(145, 45,  
29) }
```

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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