

Converting Colors

XYZ(12.8542, 9.4111, 2.2909)

Have a look what the booklet for
XYZ(12.8542, 9.4111, 2.2909)
contains.

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Color

**XYZ(12.9273, 9.4448,
2.3041)**

Conversions

Conversions Part 1

Format	Color
Hex	8C411D
RGB	140, 65, 29
RGB Percent	55%, 25%, 11%
CMY	0.4510, 0.7451, 0.8863
CMYK	0.00, 0.54, 0.79, 0.45
HSL	19°, 66%, 33%
HSV	19°, 79%, 55%
XYZ	12.9273, 9.4448, 2.3041
YIQ	83.3210, 56.2560, 4.7040

Conversions

Conversions Part 2

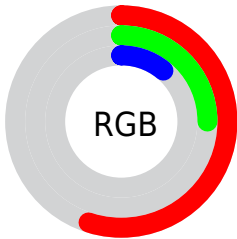
Format	Color
RYB	140, 82, 29
Decimal	9191709
CIELab	36.83, 29.43, 35.76
CIElCh	37, 46.315, 50.546
Yxy	9.4448, 0.5239, 0.3827
Android (android.graphics.Color)	4287381789 (0xFF8C411D)
YUV	83.3210, -26.7803, 49.7075
Hunter-Lab	30.7324, 21.3027, 17.0675

Details

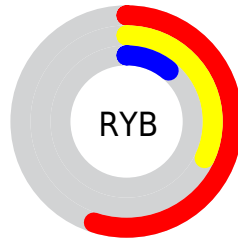
The XYZ color **12.9273, 9.4448, 2.3041** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **10.1902, 12.0544, 26.6004**, and the grayscale version is **8.3328, 8.7667, 9.5469**.

A 20% lighter version of the original color is **30.6894, 24.7752, 9.8212**, and **3.8566, 2.2857, 0.2379** is the 20% darker color. If you saturate the color by 10%, you get **12.2936, 8.3945, 1.4243**, and if you desaturate by 10%, it is **13.7311, 10.7096, 3.6291**.

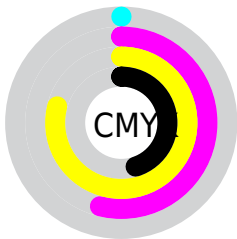
Distribution



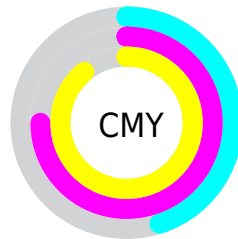
- Red (55%)
- Green (25%)
- Blue (11%)



- Red (55%)
- Yellow (32%)
- Blue (11%)



- Cyan (0%)
- Magenta (54%)
- Yellow (79%)
- Black (45%)




- Cyan (45%)
- Magenta (75%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9273, 9.4448, 2.3041 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 12.9273, 9.4448, 2.3041 by changing the saturation by 10% instead.


 12.9273, 9.4448,
2.3041


 12.9273, 9.4448,
2.3041


204.0982,
186.6623, 126.9333


 7.4552, 5.0324,
0.7335


 30.7755, 24.7459,
9.8567


 3.7972, 2.2663,
0.0000

 43.8823, 36.4033,
16.6936


 1.5880, 0.7558,
0.0000

 60.2648, 51.2446,
26.1291

 0.3846, 0.0000,
0.0000

 80.2881, 69.6541,
38.5817


 0.0000, 0.0000,
0.0000

 104.3178, 92.0163,
54.4698


 132.7191,


118.7154, 74.2121


 165.8575,
150.1359, 98.2271


 12.9273, 9.4448,
2.3041


 12.9273, 9.4448,
2.3041


 12.2936, 8.3945,
1.4243


 13.7311, 10.7096,
3.6291


 11.8010, 7.5384,
0.8618

 14.7180, 12.1995,
5.4501

 11.7693, 7.4837,
0.8242

 15.9004, 13.9263,
7.8114

 17.2893, 15.9001,
10.7524

 18.8946, 18.1308,
14.3084

■ 20.7257, 20.6275,
18.5122

■ 22.7915, 23.3988,
23.3942

■ 25.1001, 26.4529,
28.9827

■ 27.6595, 29.7978,
35.3045

Harmonies

Analogous

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



15.1454, 9.4448, 5.7021



12.9273, 9.4448, 2.3041



9.9072, 9.4448, 1.2732

Triad

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



12.9273, 9.4448, 2.3041



4.5852, 9.4448, 7.9161



11.0400, 9.4448, 33.0793

Complementary

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



12.9273, 9.4448, 2.3041



10.1902, 12.0544, 26.6004

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.



8.1069, 9.4448, 34.8191



12.9273, 9.4448, 2.3041



4.7625, 9.4448, 16.8306

Square

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



12.9273, 9.4448, 2.3041



5.3769, 9.4448, 3.1890



5.9266, 9.4448, 27.7757



13.9057, 9.4448, 23.8215

Rectangle

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



12.9273, 9.4448, 2.3041



8.0113, 9.4448, 1.2861



5.9266, 9.4448, 27.7757



10.0173, 9.4448, 34.7022

Sweetspot

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



12.9275, 9.4453, 2.3043



34.8045, 34.0099, 28.6226



13.7966, 7.4710, 14.0391



7.7893, 7.5214, 6.0693



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.9275, 9.4453, 2.3043



20.9986, 13.6122, 1.7806



17.7113, 19.0130, 3.8989



5.1568, 5.2963, 5.3029



10.4741, 6.6826, 0.7378



0.0818, 0.0688, 0.0090

Inverse Universe

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



10.1902, 12.0544, 26.6004



15.8255, 18.1298, 46.4083



6.3534, 4.3808, 25.3214



5.0384, 5.4197, 6.3864



7.8277, 8.9256, 23.3559



0.0653, 0.0860, 0.1596

Previews

White Background



This preview shows how the XYZ color 12.9273, 9.4448, 2.3041 looks on a white background.

Color Contrast Check

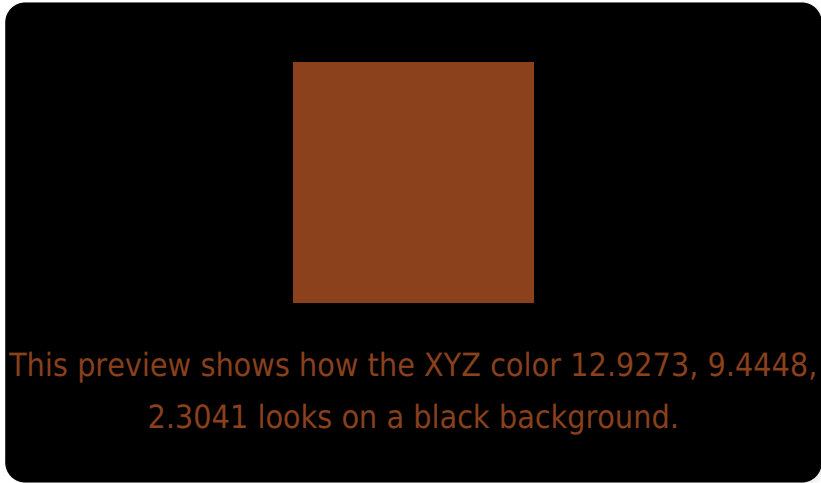
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9273, 9.4448, 2.3041

Background



This preview shows how black text looks on a background with the XYZ color 12.9273, 9.4448, 2.3041.



This preview shows how white text looks on a background with the XYZ color 12.9273, 9.4448,

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

12.9273, 9.4448, 2.3041

Protanopia

8.7229, 9.6422, 2.9915

Deuteranopia

9.6783, 9.5634, 2.1464



Tritanopia

13.7782, 9.4699, 6.1027

Trichromacy



Original Color

12.9273, 9.4448, 2.3041

Protanomaly

9.9532, 9.3578, 2.7205

Deuteranomaly

10.6451, 9.3040, 2.1545

Tritanomaly

13.3270, 9.3559, 4.3523

Monochromacy



Original Color

12.9273, 9.4448, 2.3041

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.1906, 8.4708, 5.8533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9273, 9.4448, 2.3041 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(140, 65, 29)` looks like.

```
.text, #text, p{  
    color:rgb(140, 65, 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(140, 65, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 65, 29) }
```

Border

The CSS property to change the border of an element to XYZ 12.9273, 9.4448, 2.3041 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(140, 65, 29) }
```


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

```
.border{ border-color:rgb(140, 65, 29) }
```

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

Here you see how a box with a 4 pixel rgb(140, 65, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 65, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 65, 29);  
box-shadow:4px 4px 4px 4px rgb(140, 65,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9273, 9.4448, 2.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 65, 29) }
```

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

```
.background{ background-color: rgb(140, 65,  
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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