

Converting Colors

XYZ(13.0834, 7.4286, 2.8235)

Have a look what the booklet for
XYZ(13.0834, 7.4286, 2.8235)
contains.

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Color

**XYZ(13.1030, 7.4360,
2.8425)**

Conversions

Conversions Part 1

Format	Color
Hex	941F29
RGB	148, 31, 41
RGB Percent	58%, 12%, 16%
CMY	0.4196, 0.8784, 0.8392
CMYK	0.00, 0.79, 0.72, 0.42
HSL	355°, 65%, 35%
HSV	355°, 79%, 58%
XYZ	13.1030, 7.4360, 2.8425
YIQ	67.1230, 66.5220, 27.9140

Conversions

Conversions Part 2

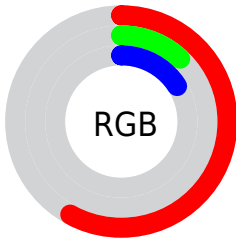
Format	Color
R_{YB}	148, 31, 41
Decimal	9707305
CIE Lab	32.78, 48.04, 24.77
CIE LCh	33, 54.049, 27.280
Yxy	7.4360, 0.5604, 0.3180
Android (android.graphics.Color)	4287897385 (0xFF941F29)
YUV	67.1230, -12.8786, 70.9291
Hunter-Lab	27.2690, 38.0500, 12.9080

Details

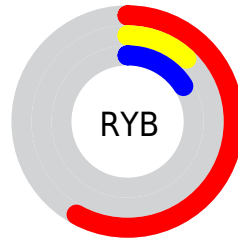
The XYZ color **13.1030, 7.4360, 2.8425** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.7433, 23.3064, 27.7170**, and the grayscale version is **5.3676, 5.6471, 6.1497**.

A 20% lighter version of the original color is **31.1003, 20.8982, 11.1987**, and **4.2164, 2.1737, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **12.6043, 6.7540, 1.7046**, and if you desaturate by 10%, it is **13.8608, 8.5064, 4.4678**.

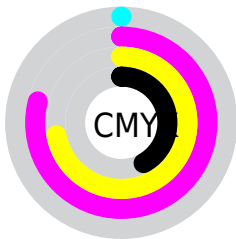
Distribution



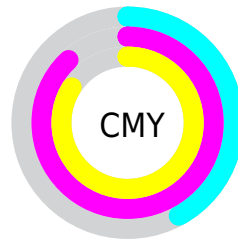
- Red (58%)
- Green (12%)
- Blue (16%)



- Red (58%)
- Yellow (12%)
- Blue (16%)



- Cyan (0%)
- Magenta (79%)
- Yellow (72%)
- Black (42%)



- Cyan (42%)
- Magenta (88%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1030, 7.4360, 2.8425 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 13.1030, 7.4360, 2.8425 by changing the saturation by 10% instead.

■ 13.1030, 7.4360,
2.8425

■ 13.1030, 7.4360,
2.8425

205.2010,
171.2389, 134.3287

■ 7.5770, 3.7362,
1.0148

■ 31.0884, 20.8451,
11.2373

■ 3.8750, 1.5271,
0.0000

■ 44.2786, 31.3232,
18.6414

■ 1.6317, 0.3077,
0.0000

■ 60.7542, 44.8296,
28.7414

■ 0.4129, 0.0000,
0.0000

■ 80.8806, 61.7486,
41.9558

■ 0.0000, 0.0000,
0.0000

■ 105.0231, 82.4646,
58.7032

■ 133.5471,

107.3621, 79.4022

166.8179,
136.8254, 104.4711

13.1030, 7.4360,
2.8425

13.1030, 7.4360,
2.8425

12.6043, 6.7540,
1.7046

13.8608, 8.5064,
4.4678

12.3068, 6.3580,
0.9915

14.9063, 10.0101,
6.6269

12.2830, 6.3240,
0.9419

16.2648, 11.9870,
9.3612

17.9587, 14.4725,
12.7079

20.0084, 17.4982,
16.7010

■ 22.4326, 21.0936,
21.3720

■ 25.2487, 25.2856,
26.7505

■ 28.4730, 30.0997,
32.8641

■ 32.1209, 35.5599,
39.7390

Harmonies

Analogous

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



14.0296, 7.4360, 8.8602



13.1030, 7.4360, 2.8425



10.4422, 7.4360, 0.7721

Triad

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



13.1030, 7.4360, 2.8425



3.4023, 7.4360, 2.2505



6.8122, 7.4360, 35.8393

Complementary

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



13.1030, 7.4360, 2.8425



15.7433, 23.3064, 27.7170

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.



4.5119, 7.4360, 29.6095



13.1030, 7.4360, 2.8425



2.9017, 7.4360, 7.3781

Square

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



13.1030, 7.4360, 2.8425



4.8523, 7.4360, 0.5928



3.2459, 7.4360, 17.5653



9.8717, 7.4360, 31.4030

Rectangle

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



13.1030, 7.4360, 2.8425



8.3371, 7.4360, 0.2653



3.2459, 7.4360, 17.5653



5.9342, 7.4360, 34.8629

Sweetspot

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



13.1032, 7.4364, 2.8426



37.1741, 33.6453, 33.0817



16.0378, 8.3780, 28.7887



8.1786, 7.2249, 6.9582



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.1032, 7.4364, 2.8426



21.8289, 11.3869, 1.9715



15.1707, 11.8161, 2.7781



5.8197, 5.8230, 6.1568



10.4966, 5.4037, 0.8299



0.1325, 0.0677, 0.0311

Inverse Universe

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



13.1032, 7.4364, 2.8426



21.8289, 11.3869, 1.9715



10.5841, 11.7765, 29.7321



5.8197, 5.8230, 6.1568



10.4966, 5.4037, 0.8299



0.1325, 0.0677, 0.0311

Previews

White Background



This preview shows how the XYZ color 13.1030, 7.4360, 2.8425 looks on a white background.

Color Contrast Check

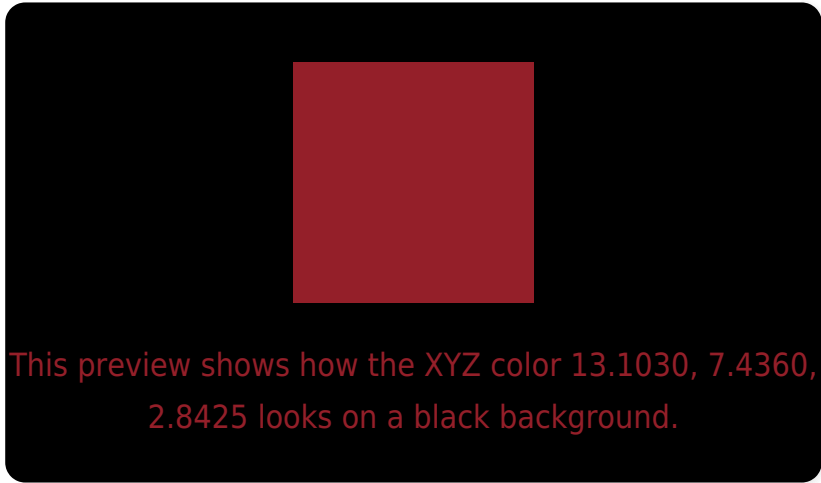
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1030, 7.4360, 2.8425

Background



This preview shows how black text looks on a background with the XYZ color 13.1030, 7.4360, 2.8425.



This preview shows how white text looks on a background with the XYZ color 13.1030, 7.4360,

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

13.1030, 7.4360, 2.8425

Protanopia

7.2808, 7.8187, 4.9963

Deuteranopia

7.8418, 7.7443, 2.5949



Tritanopia

13.0038, 7.4387, 2.1893

Trichromacy



Original Color

13.1030, 7.4360, 2.8425

Protanomaly

8.5045, 6.8724, 4.0102

Deuteranomaly

9.1004, 6.9745, 2.6168

Tritanomaly

13.0477, 7.4563, 2.4206

Monochromacy



Original Color

13.1030, 7.4360, 2.8425

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.9068, 5.4306, 4.6872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1030, 7.4360, 2.8425 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(148, 31, 41)` looks like.

```
.text, #text, p{  
    color:rgb(148, 31, 41)  
}
```

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(148, 31, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 31, 41) }
```

Border

The CSS property to change the border of an element to XYZ 13.1030, 7.4360, 2.8425 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(148, 31, 41) }
```


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

```
.border{ border-color:rgb(148, 31, 41) }
```

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

Here you see how a box with a 4 pixel rgb(148, 31, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 31, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 31, 41);  
box-shadow:4px 4px 4px 4px rgb(148, 31,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1030, 7.4360, 2.8425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 31, 41) }
```

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

```
.background{ background-color: rgb(148, 31,  
41) }
```

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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