

Converting Colors

XYZ(13.6939, 7.0513, 1.0090)

Have a look what the booklet for
XYZ(13.6939, 7.0513, 1.0090)
contains.

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Color

**XYZ(13.7829, 7.0970,
1.0242)**

Conversions

Conversions Part 1

Format	Color
Hex	9C000D
RGB	156, 0, 13
RGB Percent	61%, 0%, 5%
CMY	0.3882, 0.9999, 0.9490
CMYK	0.00, 1.00, 0.92, 0.39
HSL	355°, 100%, 31%
HSV	355°, 100%, 61%
XYZ	13.7829, 7.0970, 1.0242
YIQ	48.1260, 88.8030, 37.1150

Conversions

Conversions Part 2

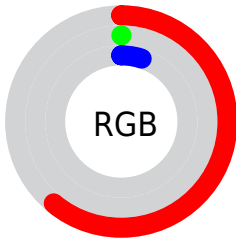
Format	Color
RYB	156, 0, 13
Decimal	10223629
CIELab	32.03, 55.67, 40.59
CIElCh	32, 68.898, 36.092
Yxy	7.0970, 0.6292, 0.3240
Android (android.graphics.Color)	4288413709 (0xFF9C000D)
YUV	48.1260, -17.3171, 94.6055
Hunter-Lab	26.6402, 45.7306, 16.3687

Details

The XYZ color **13.7829, 7.0970, 1.0242** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.8484, 25.7607, 30.0807**, and the grayscale version is **2.8361, 2.9838, 3.2494**.

A 20% lighter version of the original color is **32.4259, 20.2631, 6.2051**, and **4.7193, 2.4329, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **13.7826, 7.0968, 1.0234**, and if you desaturate by 10%, it is **14.0913, 7.5080, 1.7619**.

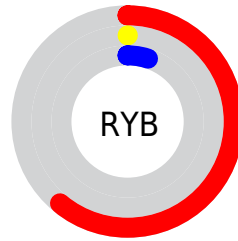
Distribution



Red (61%)

Green (0%)

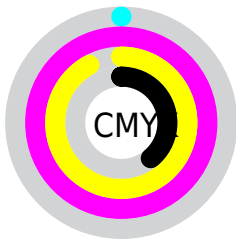
Blue (5%)



Red (61%)

Yellow (0%)

Blue (5%)

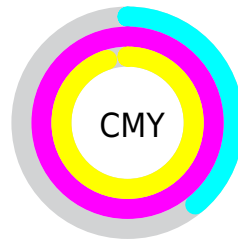


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (39%)



Cyan (39%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7829, 7.0970, 1.0242 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 13.7829, 7.0970, 1.0242 by changing the saturation by 10% instead.


 13.7829, 7.0970,
1.0242


 13.7829, 7.0970,
1.0242


 209.4138,
168.4673, 104.6774


 8.0505, 3.5228,
0.0000


 32.2928, 20.1681,
6.1416


 4.1794, 1.4104,
0.0000

 45.8010, 30.4338,
11.2840


 1.8041, 0.2244,
0.0000

 62.6319, 43.6988,
18.7068

 0.5201, 0.0000,
0.0000

 83.1509, 60.3475,
28.8287


 0.0000, 0.0000,
0.0000


 107.7231, 80.7643,
42.0682

 136.7142,


105.3336, 58.8437


 170.4892,
134.4398, 79.5740


 13.7829, 7.0970,
1.0242


 13.7829, 7.0970,
1.0242


 13.7826, 7.0968,
1.0234

 14.0913, 7.5080,
1.7619

 14.6169, 8.2240,
2.9706

 15.4312, 9.3716,
4.7251

 16.5681, 11.0044,
7.0800

 18.0567, 13.1684,
10.0831

■ 19.9229, 15.9042,
13.7776

■ 22.1901, 19.2482,
18.2029

■ 24.8798, 23.2342,
23.3954

■ 28.0121, 27.8932,
29.3891

Harmonies

Analogous

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



15.9034, 7.0970, 5.8560



13.7829, 7.0970, 1.0242



9.8598, 7.0970, 0.0000

Triad

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



13.7829, 7.0970, 1.0242



2.2717, 7.0970, 2.2499



7.4857, 7.0970, 47.1521

Complementary

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



13.7829, 7.0970, 1.0242



16.8484, 25.7607, 30.0807

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.



4.3675, 7.0970, 42.1752



13.7829, 7.0970, 1.0242



2.0203, 7.0970, 9.9603

Square

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



13.7829, 7.0970, 1.0242



3.5050, 7.0970, 0.0000



2.6355, 7.0970, 25.5692



11.5417, 7.0970, 36.1430

Rectangle

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



13.7829, 7.0970, 1.0242



7.2151, 7.0970, 0.0000



2.6355, 7.0970, 25.5692



6.2967, 7.0970, 47.3663

Sweetspot

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



13.7830, 7.0975, 1.0243



40.0310, 34.5570, 32.5320



17.3289, 8.2406, 32.1293



8.4395, 7.0591, 6.4402



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.7830, 7.0975, 1.0243



25.0028, 12.8777, 1.6969



15.6014, 10.8502, 1.2728



6.6543, 6.6547, 7.0309



11.3587, 5.8481, 0.8741



0.2089, 0.1069, 0.0462

Inverse Universe

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



13.7830, 7.0975, 1.0243



25.0028, 12.8777, 1.6969



9.7430, 9.8844, 32.8464



6.6543, 6.6547, 7.0309



11.3587, 5.8481, 0.8741



0.2089, 0.1069, 0.0462

Previews

White Background



This preview shows how the XYZ color 13.7829, 7.0970, 1.0242 looks on a white background.

Color Contrast Check

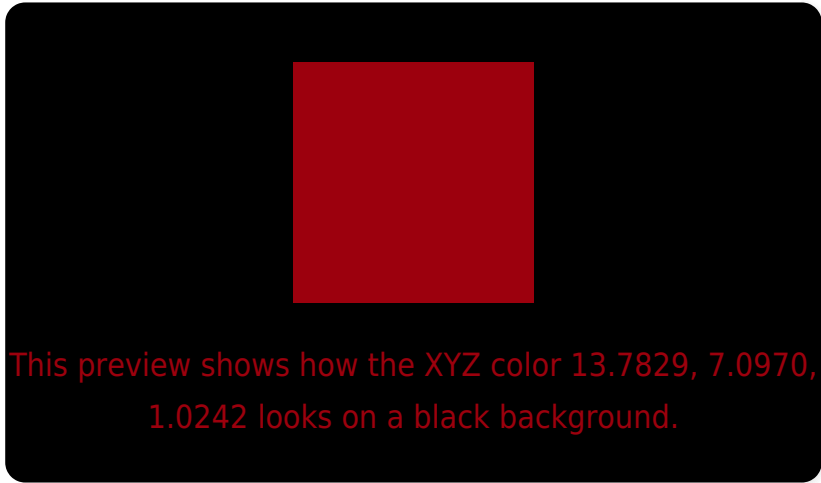
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7829, 7.0970, 1.0242

Background



This preview shows how black text looks on a background with the XYZ color 13.7829, 7.0970, 1.0242.



This preview shows how white text looks on a background with the XYZ color 13.7829, 7.0970,

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

13.7829, 7.0970, 1.0242

Protanopia

7.0183, 7.7458, 2.1621

Deuteranopia

7.6617, 7.6848, 1.0795



Tritanopia

13.6746, 7.2826, 0.6850

Trichromacy



Original Color

13.7829, 7.0970, 1.0242

Protanomaly

8.0955, 5.8498, 1.4615

Deuteranomaly

8.8301, 6.1179, 0.8591

Tritanomaly

13.6426, 7.1749, 0.8094

Monochromacy



Original Color

13.7829, 7.0970, 1.0242

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.7238, 3.1276, 1.9448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7829, 7.0970, 1.0242 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(156, 0, 13)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 13)  
}
```

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(156, 0, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 13) }
```

Border

The CSS property to change the border of an element to XYZ 13.7829, 7.0970, 1.0242 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(156, 0, 13) }
```


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

```
.border{ border-color:rgb(156, 0, 13) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 13);  
box-shadow:4px 4px 4px 4px rgb(156, 0, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7829, 7.0970, 1.0242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 13) }
```

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

```
.background{ background-color: rgb(156, 0,  
13) }
```

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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