

Converting Colors

XYZ(13.1504, 7.3926, 0.7972)

Have a look what the booklet for
XYZ(13.1504, 7.3926, 0.7972)
contains.

XYZ(13.1887, 7.4142, 0.7934)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1887, 7.4142,
0.7934)**

Conversions

Conversions Part 1

Format	Color
Hex	971C02
RGB	151, 28, 2
RGB Percent	59%, 11%, 1%
CMY	0.4078, 0.8902, 0.9922
CMYK	0.00, 0.81, 0.99, 0.41
HSL	10°, 97%, 30%
HSV	10°, 99%, 59%
XYZ	13.1887, 7.4142, 0.7934
YIQ	61.8130, 81.6540, 17.9900

Conversions

Conversions Part 2

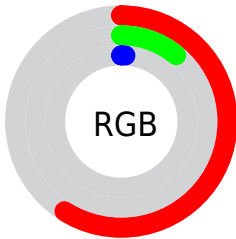
Format	Color
R_{YB}	151, 33, 2
Decimal	9903106
CIE Lab	32.73, 48.80, 45.09
CIE LCh	33, 66.443, 42.732
Yxy	7.4142, 0.6164, 0.3465
Android (android.graphics.Color)	4288093186 (0xFF971C02)
YUV	61.8130, -29.4878, 78.2170
Hunter-Lab	27.2290, 38.8078, 17.3327

Details

The XYZ color **13.1887, 7.4142, 0.7934** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **12.9432, 16.9118, 31.8600**, and the grayscale version is **4.5854, 4.8242, 5.2536**.

A 20% lighter version of the original color is **31.1866, 20.7171, 5.3727**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **13.1398, 7.3340, 0.7231**, and if you desaturate by 10%, it is **13.6392, 8.1698, 1.3925**.

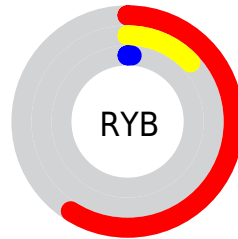
Distribution



Red (59%)

Green (11%)

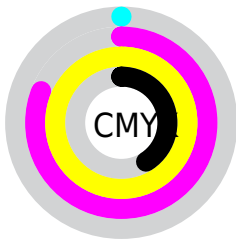
Blue (1%)



Red (59%)

Yellow (13%)

Blue (1%)

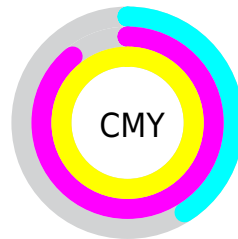


Cyan (0%)

Magenta (81%)

Yellow (99%)

Black (41%)



Cyan (41%)

Magenta (89%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1887, 7.4142, 0.7934 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 13.1887, 7.4142, 0.7934 by changing the saturation by 10% instead.


 13.1887, 7.4142,
0.7934


 13.1887, 7.4142,
0.7934


 205.7367,
171.0623, 99.5390


 7.6365, 3.7225,
0.0000


 31.2408, 20.8017,
5.3860


 3.9131, 1.5196,
0.0000

 44.4714, 31.2663,
10.1414


 1.6531, 0.3024,
0.0000

 60.9923, 44.7574,
17.0976

 0.4266, 0.0000,
0.0000

 81.1687, 61.6592,
26.6731


 0.0000, 0.0000,
0.0000


 105.3659, 82.3562,
39.2865


 133.9495,

107.2328, 55.3562

 167.2846,
136.6734, 75.3009


 13.1887, 7.4142,
0.7934


 13.1887, 7.4142,
0.7934


 13.1398, 7.3340,
0.7231

 13.6392, 8.1698,
1.3925

 14.2962, 9.2253,
2.4080

 15.1951, 10.6140,
3.9691

 16.3579, 12.3614,
6.1391

 17.8038, 14.4905,
8.9728

■ 19.5504, 17.0223,
12.5186

■ 21.6136, 19.9762,
16.8206

■ 24.0082, 23.3705,
21.9191

■ 26.7481, 27.2222,
27.8516

Harmonies

Analogous

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



15.7893, 7.4142, 4.5449



13.1887, 7.4142, 0.7934



9.2243, 7.4142, 0.0000

Triad

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



13.1887, 7.4142, 0.7934



2.3958, 7.4142, 3.6178



8.6259, 7.4142, 44.8680

Complementary

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



13.1887, 7.4142, 0.7934



12.9432, 16.9118, 31.8600

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.



5.2425, 7.4142, 43.6482



13.1887, 7.4142, 0.7934



2.3297, 7.4142, 13.0719

Square

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



13.1887, 7.4142, 0.7934



3.4135, 7.4142, 0.5334



3.1878, 7.4142, 29.2895



12.6284, 7.4142, 31.8942

Rectangle

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



13.1887, 7.4142, 0.7934



6.7330, 7.4142, 0.0000



3.1878, 7.4142, 29.2895



7.3705, 7.4142, 46.2921

Sweetspot

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



13.1889, 7.4147, 0.7935



37.9507, 34.6962, 28.5314



16.5607, 8.1333, 20.4920



8.2941, 7.4118, 5.7916



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.1889, 7.4147, 0.7935



23.4360, 12.9426, 1.2630



17.4594, 15.9558, 2.2170



6.2917, 6.3884, 6.5073



11.1941, 6.2705, 0.6203



0.1865, 0.1320, 0.0156

Inverse Universe

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



12.9432, 16.9118, 31.8600



22.9371, 29.8683, 56.9899



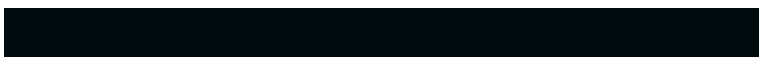
6.8241, 4.6736, 29.8203



6.2928, 6.8430, 7.9181



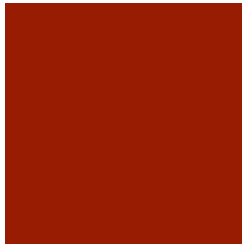
10.9707, 14.3380, 27.0970



0.1853, 0.2570, 0.4122

Previews

White Background



This preview shows how the XYZ color 13.1887, 7.4142, 0.7934 looks on a white background.

Color Contrast Check

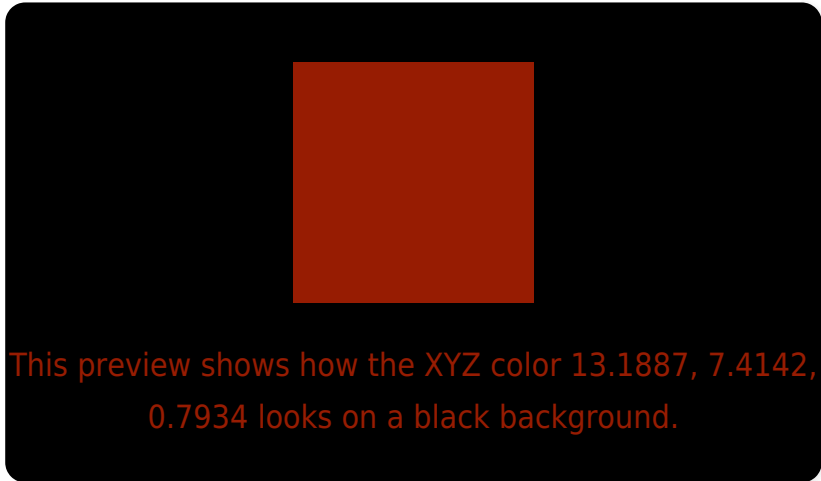
Large Text (above 18pt) WCAG AA ✓ Pass

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

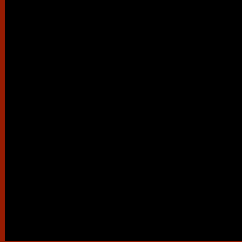
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1887, 7.4142, 0.7934

Background



This preview shows how black text looks on a background with the XYZ color 13.1887, 7.4142, 0.7934.



This preview shows how white text looks on a background with the XYZ color 13.1887, 7.4142,

0.7934.

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

13.1887, 7.4142, 0.7934

Protanopia

7.0250, 7.7595, 1.6997

Deuteranopia

7.6617, 7.6848, 1.0795



Tritanopia

13.3183, 7.3927, 1.7023

Trichromacy



Original Color

13.1887, 7.4142, 0.7934

Protanomaly

8.3643, 6.7030, 1.2008

Deuteranomaly

8.9897, 6.8799, 0.8828

Tritanomaly

13.2556, 7.4036, 1.2607

Monochromacy



Original Color

13.1887, 7.4142, 0.7934

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.1397, 4.8141, 2.6131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1887, 7.4142, 0.7934 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(151, 28, 2)` looks like.

```
.text, #text, p{  
    color:rgb(151, 28, 2)  
}
```

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(151, 28, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 28, 2) }
```

Border

The CSS property to change the border of an element to XYZ 13.1887, 7.4142, 0.7934 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(151, 28, 2) }
```


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

```
.border{ border-color:rgb(151, 28, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 28, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 28, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 28, 2);  
box-shadow:4px 4px 4px 4px rgb(151, 28, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1887, 7.4142, 0.7934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 28, 2) }
```

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

```
.background{ background-color: rgb(151, 28,  
2) }
```

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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