

Converting Colors

XYZ(13.4415, 7.3815, 0.7163)

Have a look what the booklet for
XYZ(13.4415, 7.3815, 0.7163)
contains.

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Color

**XYZ(13.4433, 7.3851,
0.7169)**

Conversions

Conversions Part 1

Format	Color
Hex	991700
RGB	153, 23, 0
RGB Percent	60%, 9%, 0%
CMY	0.4000, 0.9098, 1.0000
CMYK	0.00, 0.85, 1.00, 0.40
HSL	9°, 100%, 30%
HSV	9°, 100%, 60%
XYZ	13.4433, 7.3851, 0.7169
YIQ	59.2480, 84.8630, 20.4070

Conversions

Conversions Part 2

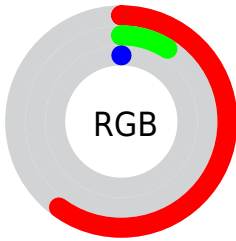
Format	Color
R_{YB}	153, 27, 0
Decimal	10032896
CIE Lab	32.67, 50.74, 46.07
CIE LCh	33, 68.531, 42.241
Yxy	7.3851, 0.6240, 0.3428
Android (android.graphics.Color)	4288222976 (0xFF991700)
YUV	59.2480, -29.2093, 82.2205
Hunter-Lab	27.1755, 40.7439, 17.4588

Details

The XYZ color **13.4433, 7.3851, 0.7169** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.7307, 18.2617, 32.9380**, and the grayscale version is **4.2225, 4.4424, 4.8378**.

A 20% lighter version of the original color is **31.5751, 20.6951, 5.1267**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.4435, 7.3856, 0.7170**, and if you desaturate by 10%, it is **13.8564, 8.0701, 1.2906**.

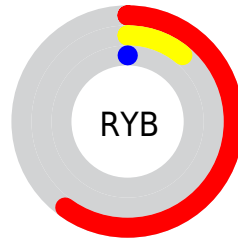
Distribution



Red (60%)

Green (9%)

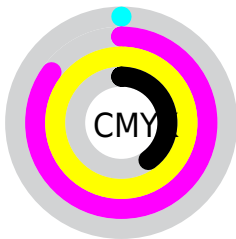
Blue (0%)



Red (60%)

Yellow (11%)

Blue (0%)

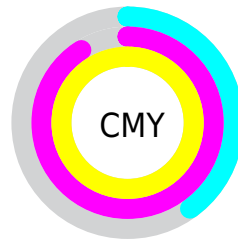


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4433, 7.3851, 0.7169 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 13.4433, 7.3851, 0.7169 by changing the saturation by 10% instead.


 13.4433, 7.3851,
0.7169


 13.4433, 7.3851,
0.7169


 207.3202,
170.8263, 97.8652


 7.8136, 3.7041,
0.0000


 31.6925, 20.7438,
5.1487

 4.0267, 1.5094,
0.0000

 45.0427, 31.1904,
9.7786


 1.7173, 0.2954,
0.0000

 61.6972, 44.6608,
16.5827

 0.4670, 0.0000,
0.0000


 82.0212, 61.5396,
25.9795


 0.0000, 0.0000,
0.0000


 106.3802, 82.2112,
38.3877


 135.1394,

107.0599, 54.2256

 168.6643,
136.4701, 73.9119


 13.4433, 7.3851,
0.7169


 13.4433, 7.3851,
0.7169


 13.4435, 7.3856,
0.7170

 13.8564, 8.0701,
1.2906

 14.4776, 9.0666,
2.2558

 15.3511, 10.4149,
3.7756

 16.5011, 12.1445,
5.9176

 17.9490, 14.2815,
8.7395

■ 19.7140, 16.8498,
12.2927

■ 21.8136, 19.8713,
16.6233

■ 24.2642, 23.3667,
21.7738

■ 27.0808, 27.3550,
27.7837

Harmonies

Analogous

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



16.1170, 7.3851, 4.5454



13.4433, 7.3851, 0.7169



9.3336, 7.3851, 0.0000

Triad

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



13.4433, 7.3851, 0.7169



2.2947, 7.3851, 3.4045



8.5813, 7.3851, 46.7512

Complementary

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



13.4433, 7.3851, 0.7169



13.7307, 18.2617, 32.9380

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.



5.1232, 7.3851, 45.1818



13.4433, 7.3851, 0.7169



2.2143, 7.3851, 12.9835

Square

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



13.4433, 7.3851, 0.7169



3.3360, 7.3851, 0.3908



3.0588, 7.3851, 29.8884



12.7340, 7.3851, 33.2234

Rectangle

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



13.4433, 7.3851, 0.7169



6.7537, 7.3851, 0.0000



3.0588, 7.3851, 29.8884



7.2918, 7.3851, 48.1648

Sweetspot

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



13.4435, 7.3856, 0.7170



38.8258, 35.2434, 29.2706



17.1694, 8.3853, 21.8502



8.2405, 7.3045, 5.7737



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.



13.4435, 7.3856, 0.7170



23.9888, 13.0528, 1.2551



17.6414, 15.7814, 2.1163



6.2801, 6.3653, 6.5035



11.1273, 6.1370, 0.5981



0.1831, 0.1253, 0.0145

Inverse Universe

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



13.7307, 18.2617, 32.9380



24.4821, 32.4887, 58.9526



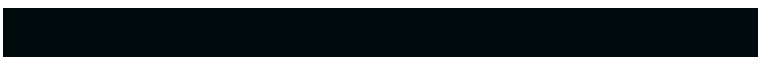
7.0481, 4.8965, 30.7105



6.3054, 6.8682, 7.9223



11.3674, 15.1314, 27.2292



0.1888, 0.2639, 0.4134

Previews

White Background



This preview shows how the XYZ color 13.4433, 7.3851, 0.7169 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

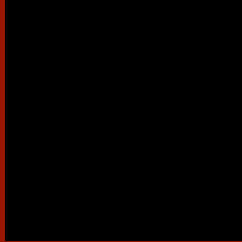
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4433, 7.3851, 0.7169

Background



This preview shows how black text looks on a background with the XYZ color 13.4433, 7.3851, 0.7169.



This preview shows how white text looks on a background with the XYZ color 13.4433, 7.3851,

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

13.4433, 7.3851, 0.7169

Protanopia

7.0333, 7.7628, 1.7438

Deuteranopia

7.6617, 7.6848, 1.0795



Tritanopia

13.5500, 7.3966, 1.3753

Trichromacy



Original Color

13.4433, 7.3851, 0.7169

Protanomaly

8.3124, 6.5992, 1.1835

Deuteranomaly

9.0219, 6.7503, 0.8274

Tritanomaly

13.4964, 7.3752, 1.0930

Monochromacy



Original Color

13.4433, 7.3851, 0.7169

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.8410, 4.4211, 2.3792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4433, 7.3851, 0.7169 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(153, 23, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 23, 0)  
}
```

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(153, 23, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 23, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4433, 7.3851, 0.7169 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(153, 23, 0) }
```


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

```
.border{ border-color:rgb(153, 23, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 23, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 23, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 23, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 23, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4433, 7.3851, 0.7169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 23, 0) }
```

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

```
.background{ background-color: rgb(153, 23,  
0) }
```

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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