

Converting Colors

XYZ(13.8694, 7.1215, 1.9356)

Have a look what the booklet for
XYZ(13.8694, 7.1215, 1.9356)
contains.

XYZ(13.9576, 7.1668, 1.9440)	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(13.9576, 7.1668,
1.9440)**

Conversions

Conversions Part 1

Format	Color
Hex	9C001F
RGB	156, 0, 31
RGB Percent	61%, 0%, 12%
CMY	0.3882, 0.9999, 0.8784
CMYK	0.00, 1.00, 0.80, 0.39
HSL	348°, 100%, 31%
HSV	348°, 100%, 61%
XYZ	13.9576, 7.1668, 1.9440
YIQ	50.1780, 83.0250, 42.7130

Conversions

Conversions Part 2

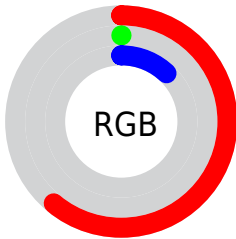
Format	Color
RYB	156, 0, 31
Decimal	10223647
CIELab	32.18, 56.10, 30.80
CIELCh	32, 64.003, 28.768
Yxy	7.1668, 0.6051, 0.3107
Android (android.graphics.Color)	4288413727 (0xFF9C001F)
YUV	50.1780, -9.4548, 92.8059
Hunter-Lab	26.7709, 46.2159, 14.4342

Details

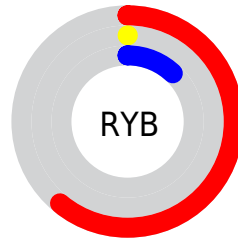
The XYZ color **13.9576, 7.1668, 1.9440** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.5916, 25.2581, 23.4624**, and the grayscale version is **3.0570, 3.2162, 3.5025**.

A 20% lighter version of the original color is **32.6322, 20.3110, 8.8571**, and **4.8239, 2.4868, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **13.9573, 7.1667, 1.9428**, and if you desaturate by 10%, it is **14.3352, 7.6054, 3.0465**.

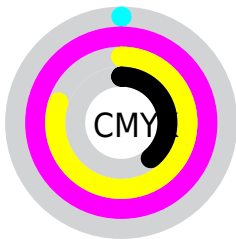
Distribution



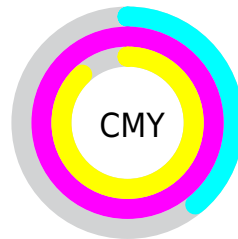
- Red (61%)
- Green (0%)
- Blue (12%)



- Red (61%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9576, 7.1668, 1.9440 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 13.9576, 7.1668, 1.9440 by changing the saturation by 10% instead.

■ 13.9576, 7.1668,
1.9440

■ 13.9576, 7.1668,
1.9440

210.4828,
169.0426, 121.5011

■ 8.1727, 3.5666,
0.5205

■ 32.6007, 20.3080,
8.8871

■ 4.2584, 1.4342,
0.0000

■ 46.1895, 30.6178,
15.3084

■ 1.8493, 0.2417,
0.0000

■ 63.1104, 43.9329,
24.2543

■ 0.5471, 0.0000,
0.0000


■ 83.7287, 60.6378,
36.1433


■ 0.0000, 0.0000,
0.0000

■ 108.4097, 81.1168,
51.3939


■ 137.5189,


105.7544, 70.4247


 171.4214,
134.9348, 93.6543

 13.9576, 7.1668,
1.9440


 13.9576, 7.1668,
1.9440


 13.9573, 7.1667,
1.9428

 14.3352, 7.6054,
3.0465

 14.9199, 8.3450,
4.5662

 15.7784, 9.5102,
6.5540

 16.9413, 11.1533,
9.0458

 18.4345, 13.3190,
12.0736

■ 20.2813, 16.0468,
15.6668

■ 22.5029, 19.3725,
19.8526

■ 25.1188, 23.3288,
24.6564

■ 28.1469, 27.9460,
30.1022

Harmonies

Analogous

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



15.2470, 7.1668, 8.1976



13.9576, 7.1668, 1.9440



10.6267, 7.1668, 0.0532

Triad

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



13.9576, 7.1668, 1.9440



2.7213, 7.1668, 1.6901



6.6773, 7.1668, 43.2897

Complementary

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



13.9576, 7.1668, 1.9440



15.5916, 25.2581, 23.4624

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.



4.0405, 7.1668, 35.6158



13.9576, 7.1668, 1.9440



2.2563, 7.1668, 7.4221

Square

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



13.9576, 7.1668, 1.9440



4.2083, 7.1668, 0.0000



2.6485, 7.1668, 20.0996



10.3144, 7.1668, 36.6933

Rectangle

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



13.9576, 7.1668, 1.9440



8.1136, 7.1668, 0.0000



2.6485, 7.1668, 20.0996



5.6573, 7.1668, 42.2290

Sweetspot

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



13.9578, 7.1673, 1.9441



40.6069, 34.7873, 35.5649



14.4298, 6.7460, 31.9938



8.5744, 7.1130, 7.1504



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.



13.9578, 7.1673, 1.9441



25.2937, 12.9941, 3.2289



14.7194, 9.0862, 0.9786



6.6843, 6.6666, 7.1884



11.5071, 5.9074, 1.6552



0.2186, 0.1108, 0.0971

Inverse Universe

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



13.9578, 7.1673, 1.9441



25.2937, 12.9941, 3.2289



11.4916, 13.3817, 33.4295



6.6843, 6.6666, 7.1884



11.5071, 5.9074, 1.6552



0.2186, 0.1108, 0.0971

Previews

White Background



This preview shows how the XYZ color 13.9576, 7.1668, 1.9440 looks on a white background.

Color Contrast Check

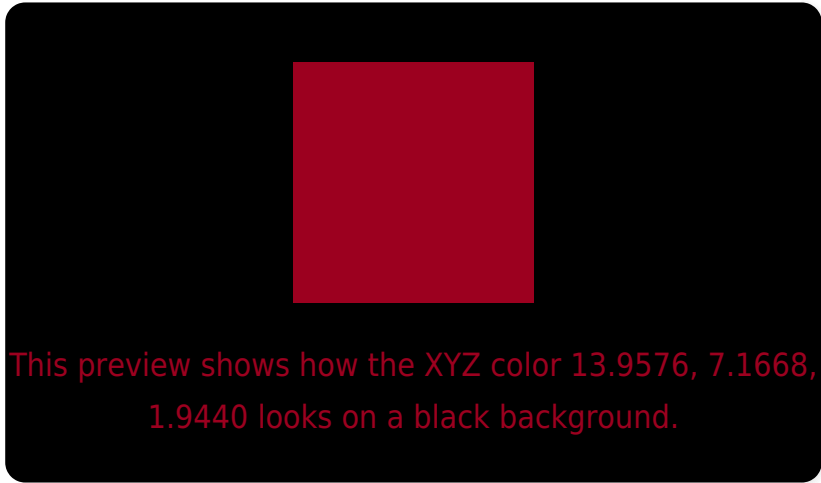
Large Text (above 18pt) WCAG AA ✓ Pass

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

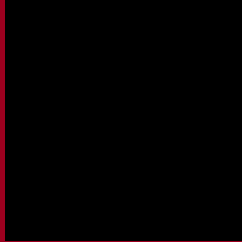
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9576, 7.1668, 1.9440

Background



This preview shows how black text looks on a background with the XYZ color 13.9576, 7.1668, 1.9440.



This preview shows how white text looks on a background with the XYZ color 13.9576, 7.1668,

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

13.9576, 7.1668, 1.9440

Protanopia

7.1672, 7.7838, 3.9210

Deuteranopia

7.7792, 7.7318, 1.6985



Tritanopia

13.8673, 7.3820, 0.6940

Trichromacy



Original Color

13.9576, 7.1668, 1.9440

Protanomaly

8.1141, 5.8279, 2.8877

Deuteranomaly

8.9573, 6.1688, 1.5292

Tritanomaly

13.8684, 7.2875, 0.9923

Monochromacy



Original Color

13.9576, 7.1668, 1.9440

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.0724, 3.3313, 2.6612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9576, 7.1668, 1.9440 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 31)  
}
```

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, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 31) }
```

Border

The CSS property to change the border of an element to XYZ 13.9576, 7.1668, 1.9440 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, 31) }
```


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

```
.border{ border-color:rgb(156, 0, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(156, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.9576, 7.1668, 1.9440 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, 31) }
```

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

```
.background{ background-color: rgb(156, 0,  
31) }
```

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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