

Converting Colors

XYZ(13.4902, 6.5393, 1.8609)

Have a look what the booklet for
XYZ(13.4902, 6.5393, 1.8609)
contains.

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Color

**XYZ(13.7649, 7.0675,
1.9350)**

Conversions

Conversions Part 1

Format	Color
Hex	9B001F
RGB	155, 0, 31
RGB Percent	61%, 0%, 12%
CMY	0.3922, 0.9999, 0.8784
CMYK	0.00, 1.00, 0.80, 0.39
HSL	348°, 100%, 30%
HSV	348°, 100%, 61%
XYZ	13.7649, 7.0675, 1.9350
YIQ	49.8790, 82.4290, 42.5010

Conversions

Conversions Part 2

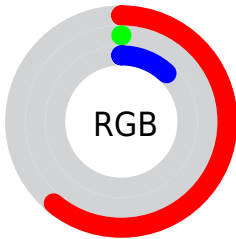
Format	Color
R_{YB}	155, 0, 31
Decimal	10158111
CIE Lab	31.96, 55.85, 30.50
CIE LCh	32, 63.632, 28.639
Yxy	7.0675, 0.6046, 0.3104
Android (android.graphics.Color)	4288348191 (0xFF9B001F)
YUV	49.8790, -9.3073, 92.1911
Hunter-Lab	26.5848, 45.8993, 14.2939

Details

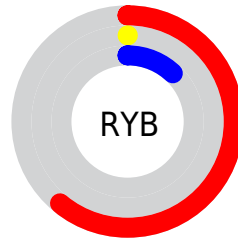
The XYZ color **13.7649, 7.0675, 1.9350** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.3611, 24.8985, 23.0725**, and the grayscale version is **3.0230, 3.1805, 3.4635**.

A 20% lighter version of the original color is **32.3341, 20.1573, 8.8432**, and **4.7193, 2.4329, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **13.7646, 7.0673, 1.9337**, and if you desaturate by 10%, it is **14.1392, 7.5025, 3.0273**.

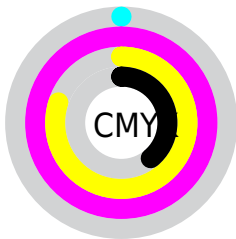
Distribution



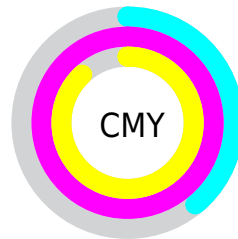
- Red (61%)
- Green (0%)
- Blue (12%)



- 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 13.7649, 7.0675, 1.9350 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 13.7649, 7.0675, 1.9350 by changing the saturation by 10% instead.


 13.7649, 7.0675,
1.9350


 13.7649, 7.0675,
1.9350


209.3033,
168.2234, 121.3592


 8.0379, 3.5044,
0.5149


 32.2611, 20.1089,
8.8623


 4.1712, 1.4004,
0.0000


 45.7610, 30.3559,
15.2728


 1.7995, 0.2170,
0.0000

 62.5826, 43.5996,
24.2059

 0.5173, 0.0000,
0.0000


 83.0912, 60.2245,
36.0801


 0.0000, 0.0000,
0.0000


 107.6522, 80.6150,
51.3140


 136.6310,


105.1553, 70.3261


 170.3930,
134.2300, 93.5350

 13.7649, 7.0675,
1.9350


 13.7649, 7.0675,
1.9350


 13.7646, 7.0673,
1.9337

 14.1392, 7.5025,
3.0273

 14.7171, 8.2333,
4.5298

 15.5647, 9.3835,
6.4927

 16.7119, 11.0045,
8.9509

 18.1843, 13.1402,
11.9360

■ 20.0048, 15.8297,
15.4767

■ 22.1943, 19.1078,
19.5997

■ 24.7717, 23.0070,
24.3299

■ 27.7549, 27.5571,
29.6907

Harmonies

Analogous

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



15.0229, 7.0675, 8.1251



13.7649, 7.0675, 1.9350



10.4905, 7.0675, 0.0537

Triad

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



13.7649, 7.0675, 1.9350



2.6908, 7.0675, 1.6581



6.5711, 7.0675, 42.6225

Complementary

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



13.7649, 7.0675, 1.9350



15.3611, 24.8985, 23.0725

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.



3.9787, 7.0675, 35.0165



13.7649, 7.0675, 1.9350



2.2286, 7.0675, 7.2809

Square

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



13.7649, 7.0675, 1.9350



4.1614, 7.0675, 0.0000



2.6116, 7.0675, 19.7364



10.1507, 7.0675, 36.1884

Rectangle

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



13.7649, 7.0675, 1.9350



8.0150, 7.0675, 0.0000



2.6116, 7.0675, 19.7364



5.5681, 7.0675, 41.5574

Sweetspot

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



13.7651, 7.0680, 1.9351



39.4933, 33.8372, 34.6278



14.2294, 6.6525, 31.5442



8.5759, 7.1136, 7.1585



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.



13.7651, 7.0680, 1.9351



24.5961, 12.6350, 3.1737



14.5149, 8.9631, 0.9657



6.2568, 6.2419, 6.7323



11.0674, 5.6812, 1.6140



0.1763, 0.0893, 0.0811

Inverse Universe

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



13.7651, 7.0680, 1.9351



24.5961, 12.6350, 3.1737



11.3328, 13.1990, 32.9605



6.2568, 6.2419, 6.7323



11.0674, 5.6812, 1.6140



0.1763, 0.0893, 0.0811

Previews

White Background



This preview shows how the XYZ color 13.7649, 7.0675, 1.9350 looks on a white background.

Color Contrast Check

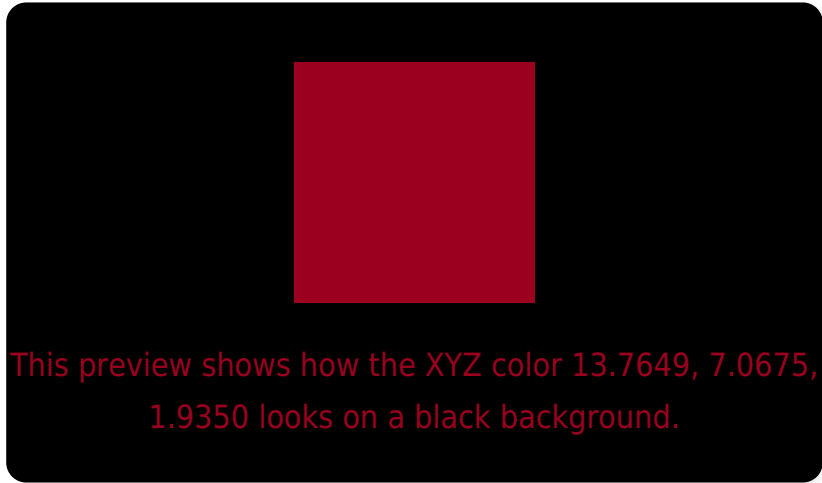
Large Text (above 18pt) WCAG AA ✓ Pass

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

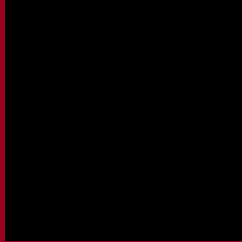
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7649, 7.0675, 1.9350

Background



This preview shows how black text looks on a background with the XYZ color 13.7649, 7.0675, 1.9350.



This preview shows how white text looks on a background with the XYZ color 13.7649, 7.0675,

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

13.7649, 7.0675, 1.9350

Protanopia

7.1672, 7.7838, 3.9210

Deuteranopia

7.7792, 7.7318, 1.6985



Tritanopia

13.6746, 7.2826, 0.6850

Trichromacy



Original Color

13.7649, 7.0675, 1.9350

Protanomaly

8.1141, 5.8279, 2.8877

Deuteranomaly

8.8194, 6.0977, 1.5228

Tritanomaly

13.6757, 7.1881, 0.9833

Monochromacy



Original Color

13.7649, 7.0675, 1.9350

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.9771, 3.2821, 2.6567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7649, 7.0675, 1.9350 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(155, 0, 31)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 0, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 0, 31) }
```

Border

The CSS property to change the border of an element to XYZ 13.7649, 7.0675, 1.9350 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(155, 0, 31) }
```


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

```
.border{ border-color:rgb(155, 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(155, 0, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(155, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7649, 7.0675, 1.9350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 0, 31) }
```

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

```
.background{ background-color: rgb(155, 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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