

Converting Colors

XYZ(13.7649, 7.3299, 1.1242)

Have a look what the booklet for
XYZ(13.7649, 7.3299, 1.1242)
contains.

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Color

**XYZ(13.7746, 7.3447,
1.1436)**

Conversions

Conversions Part 1

Format	Color
Hex	9B0F0F
RGB	155, 15, 15
RGB Percent	61%, 6%, 6%
CMY	0.3922, 0.9411, 0.9412
CMYK	0.00, 0.90, 0.90, 0.39
HSL	0°, 82%, 33%
HSV	0°, 90%, 61%
XYZ	13.7746, 7.3447, 1.1436
YIQ	56.8600, 83.4400, 29.6800

Conversions

Conversions Part 2

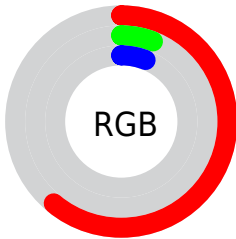
Format	Color
RYB	155, 15, 15
Decimal	10161935
CIELab	32.58, 53.24, 39.96
CIElCh	33, 66.567, 36.888
Yxy	7.3447, 0.6187, 0.3299
Android (android.graphics.Color)	4288352015 (0xFF9B0F0F)
YUV	56.8600, -20.6370, 86.0688
Hunter-Lab	27.1011, 43.2987, 16.4689

Details

The XYZ color **13.7746, 7.3447, 1.1436** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.8315, 25.9044, 35.0703**, and the grayscale version is **3.8904, 4.0930, 4.4573**.

A 20% lighter version of the original color is **32.2269, 20.6699, 6.5661**, and **4.6161, 2.3797, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **13.5177, 6.9689, 0.6327**, and if you desaturate by 10%, it is **14.2357, 8.0197, 2.0597**.

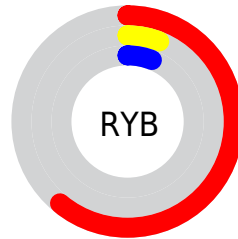
Distribution



Red (61%)

Green (6%)

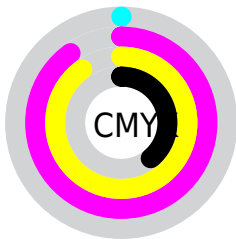
Blue (6%)



Red (61%)

Yellow (6%)

Blue (6%)

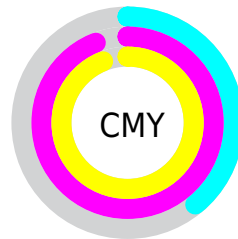


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (39%)



Cyan (39%)

Magenta (94%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7746, 7.3447, 1.1436 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 13.7746, 7.3447, 1.1436 by changing the saturation by 10% instead.


 13.7746, 7.3447,
1.1436


 13.7746, 7.3447,
1.1436


 209.3629,
170.4979, 107.2123


 8.0447, 3.6786,
0.0000


 32.2782, 20.6634,
6.5292


 4.1756, 1.4954,
0.0000

 45.7826, 31.0847,
11.8632


 1.8020, 0.2855,
0.0000

 62.6092, 44.5266,
19.5161

 0.5189, 0.0000,
0.0000

 83.1233, 61.3734,
29.9063

 0.0000, 0.0000,
0.0000

 107.6905, 82.0096,
43.4526


 136.6758,

106.8194, 60.5733


 170.4449,
136.1874, 81.6870


 13.7746, 7.3447,
1.1436


 13.7746, 7.3447,
1.1436


 13.5177, 6.9689,
0.6327

 14.2357, 8.0197,
2.0597

 14.9882, 9.1209,
3.5553

 16.0695, 10.7033,
5.7048

 17.5116, 12.8135,
8.5715

 19.3425, 15.4926,
12.2111

■ 21.5874, 18.7776,
16.6740

■ 24.2696, 22.7024,
22.0063

■ 27.4105, 27.2984,
28.2505

■ 31.0302, 32.5948,
35.4465

Harmonies

Analogous

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



15.8963, 7.3447, 5.9213



13.7746, 7.3447, 1.1436



9.9339, 7.3447, 0.0000

Triad

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



13.7746, 7.3447, 1.1436



2.4734, 7.3447, 2.6048



7.8103, 7.3447, 45.7917

Complementary

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



13.7746, 7.3447, 1.1436



17.8315, 25.9044, 35.0703

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.



4.6801, 7.3447, 41.4774



13.7746, 7.3447, 1.1436



2.2378, 7.3447, 10.5090

Square

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



13.7746, 7.3447, 1.1436



3.6986, 7.3447, 0.2048



2.8951, 7.3447, 25.7712



11.7885, 7.3447, 34.9955

Rectangle

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



13.7746, 7.3447, 1.1436



7.3486, 7.3447, 0.0000



2.8951, 7.3447, 25.7712



6.6257, 7.3447, 46.1432

Sweetspot

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



13.7748, 7.3452, 1.1437



39.9235, 35.4762, 32.3712



19.6046, 9.6767, 31.8446



8.7155, 7.5601, 6.6889



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.



13.7748, 7.3452, 1.1437



24.2088, 12.4805, 1.1330



16.8522, 13.5000, 2.1695



6.2089, 6.2228, 6.4797



10.8576, 5.5976, 0.5082



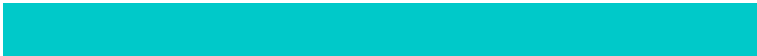
0.1623, 0.0837, 0.0076

Inverse Universe

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



17.8315, 25.9044, 35.0703



31.5812, 46.2093, 62.7911



9.3618, 8.9651, 32.2471



6.3845, 7.0264, 7.9487



14.1640, 20.7248, 28.1615



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 13.7746, 7.3447, 1.1436 looks on a white background.

Color Contrast Check

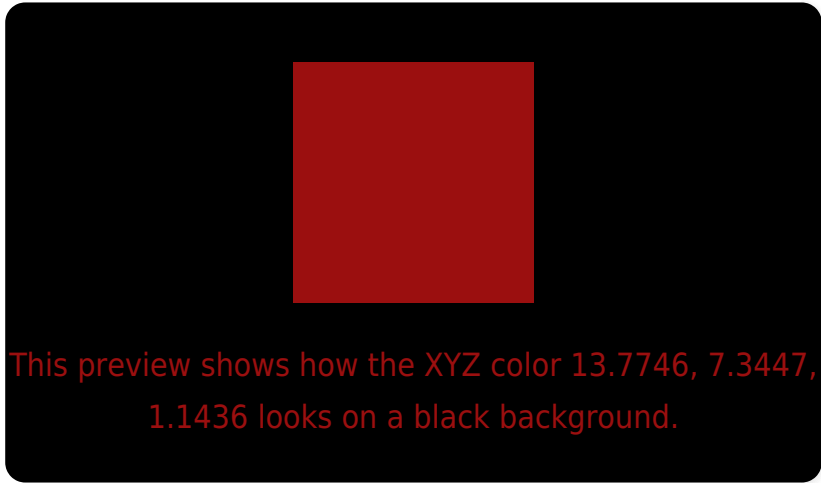
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7746, 7.3447, 1.1436

Background



This preview shows how black text looks on a background with the XYZ color 13.7746, 7.3447, 1.1436.



This preview shows how white text looks on a background with the XYZ color 13.7746, 7.3447,

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

13.7746, 7.3447, 1.1436

Protanopia

7.0301, 7.7505, 2.2241

Deuteranopia

7.7716, 7.7415, 1.0846



Tritanopia

13.7522, 7.3589, 0.9540

Trichromacy



Original Color

13.7746, 7.3447, 1.1436

Protanomaly

8.2509, 6.3350, 1.5985

Deuteranomaly

9.0462, 6.5502, 0.9311

Tritanomaly

13.7633, 7.3633, 1.0125

Monochromacy



Original Color

13.7746, 7.3447, 1.1436

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

5.7601, 4.1503, 2.6880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7746, 7.3447, 1.1436 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, 15, 15)` looks like.

```
.text, #text, p{  
  color:rgb(155, 15, 15)  
}
```

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, 15, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 15, 15) }
```

Border

The CSS property to change the border of an element to XYZ 13.7746, 7.3447, 1.1436 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, 15, 15) }
```


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

```
.border{ border-color:rgb(155, 15, 15) }
```

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

Here you see how a box with a 4 pixel rgb(155, 15, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 15, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 15, 15);  
box-shadow:4px 4px 4px 4px rgb(155, 15,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7746, 7.3447, 1.1436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 15, 15) }
```

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

```
.background{ background-color: rgb(155, 15,  
15) }
```

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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