

Converting Colors

XYZ(13.4621, 7.4184, 0.7224)

Have a look what the booklet for
XYZ(13.4621, 7.4184, 0.7224)
contains.

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Color

**XYZ(13.4635, 7.4256,
0.7237)**

Conversions

Conversions Part 1

Format	Color
Hex	991800
RGB	153, 24, 0
RGB Percent	60%, 9%, 0%
CMY	0.4000, 0.9058, 1.0000
CMYK	0.00, 0.84, 1.00, 0.40
HSL	9°, 100%, 30%
HSV	9°, 100%, 60%
XYZ	13.4635, 7.4256, 0.7237
YIQ	59.8350, 84.5880, 19.8840

Conversions

Conversions Part 2

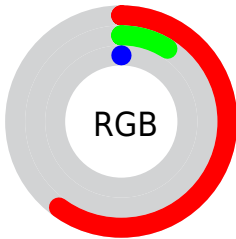
Format	Color
R_{YB}	153, 28, 0
Decimal	10033152
CIE _{Lab}	32.76, 50.48, 46.13
CIE _{LCh}	33, 68.382, 42.418
Yxy	7.4256, 0.6229, 0.3436
Android (android.graphics.Color)	4288223232 (0xFF991800)
YUV	59.8350, -29.4987, 81.7057
Hunter-Lab	27.2500, 40.5048, 17.5004

Details

The XYZ color **13.4635, 7.4256, 0.7237** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **13.5983, 17.9970, 32.8937**, and the grayscale version is **4.3044, 4.5286, 4.9316**.

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 **13.4636, 7.4260, 0.7238**, and if you desaturate by 10%, it is **13.8840, 8.1253, 1.2999**.

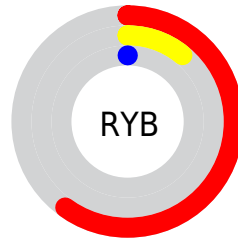
Distribution



Red (60%)

Green (9%)

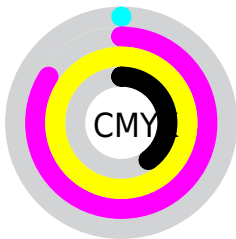
Blue (0%)



Red (60%)

Yellow (11%)

Blue (0%)

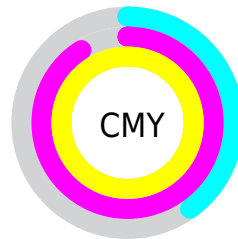


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (40%)



Cyan (40%)


Magenta (91%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4635, 7.4256, 0.7237 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 13.4635, 7.4256, 0.7237 by changing the saturation by 10% instead.


 13.4635, 7.4256,
0.7237


 13.4635, 7.4256,
0.7237


 207.4453,
171.1547, 98.0132

 7.8277, 3.7297,
0.0000


 31.7283, 20.8244,
5.1695


 4.0358, 1.5235,
0.0000

 45.0880, 31.2961,
9.8105


 1.7224, 0.3052,
0.0000

 61.7530, 44.7951,
16.6280

 0.4702, 0.0000,
0.0000

 82.0886, 61.7059,
26.0407


 0.0000, 0.0000,
0.0000


 106.4604, 82.4129,
38.4670


 135.2335,


107.3004, 54.3255


 168.7733,
136.7529, 74.0347


 13.4635, 7.4256,
0.7237


 13.4635, 7.4256,
0.7237


 13.4636, 7.4260,
0.7238

 13.8840, 8.1253,
1.2999

 14.5114, 9.1341,
2.2672

 15.3894, 10.4917,
3.7886

 16.5420, 12.2264,
5.9314

 17.9902, 14.3640,
8.7535

■ 19.7530, 16.9278,
12.3060

■ 21.8476, 19.9393,
16.6350

■ 24.2901, 23.4186,
21.7829

■ 27.0955, 27.3845,
27.7890

Harmonies

Analogous

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



16.1506, 7.4256, 4.5412



13.4635, 7.4256, 0.7237



9.3502, 7.4256, 0.0000

Triad

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



13.4635, 7.4256, 0.7237



2.3167, 7.4256, 3.4696



8.6454, 7.4256, 46.7163

Complementary

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



13.4635, 7.4256, 0.7237



13.5983, 17.9970, 32.8937

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.



5.1745, 7.4256, 45.2503



13.4635, 7.4256, 0.7237



2.2411, 7.4256, 13.1136

Square

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



13.4635, 7.4256, 0.7237



3.3560, 7.4256, 0.4191



3.0956, 7.4256, 30.0328



12.7996, 7.4256, 33.1500

Rectangle

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



13.4635, 7.4256, 0.7237



6.7711, 7.4256, 0.0000



3.0956, 7.4256, 30.0328



7.3525, 7.4256, 48.1607

Sweetspot

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



13.4637, 7.4261, 0.7238



38.8871, 35.3662, 29.2911



17.1693, 8.3853, 21.8502



8.2549, 7.3334, 5.7785



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.



13.4637, 7.4261, 0.7238



24.0223, 13.1197, 1.2662



17.6413, 15.7814, 2.1164



6.2832, 6.3715, 6.5045



11.1445, 6.1714, 0.6038



0.1840, 0.1271, 0.0148

Inverse Universe

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



13.5983, 17.9970, 32.8937



24.2415, 32.0075, 58.8724



7.0481, 4.8966, 30.7103



6.3020, 6.8614, 7.9212



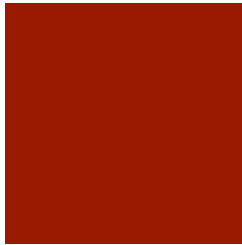
11.2587, 14.9140, 27.1930



0.1879, 0.2620, 0.4130

Previews

White Background



This preview shows how the XYZ color 13.4635, 7.4256, 0.7237 looks on a white background.

Color Contrast Check

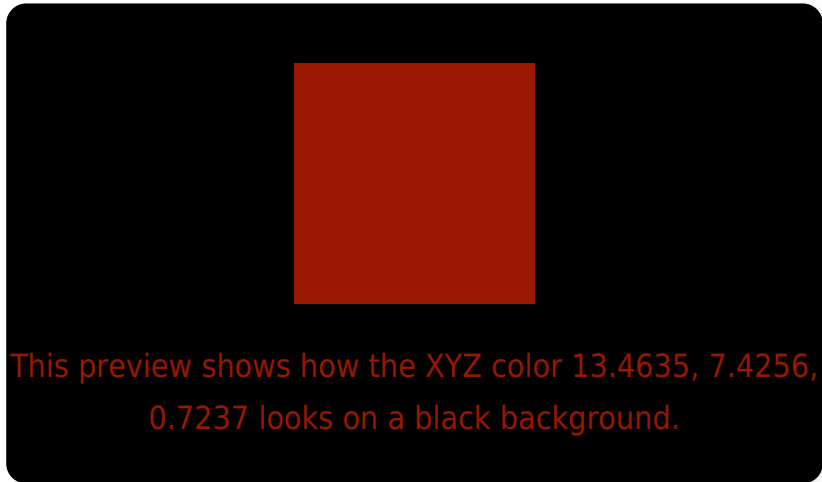
Large Text (above 18pt) WCAG AA ✓ Pass

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

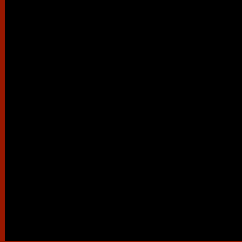
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4635, 7.4256, 0.7237

Background



This preview shows how black text looks on a background with the XYZ color 13.4635, 7.4256, 0.7237.



This preview shows how white text looks on a background with the XYZ color 13.4635, 7.4256,

0.7237.

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

13.4635, 7.4256, 0.7237

Protanopia

7.0333, 7.7628, 1.7438

Deuteranopia

7.7716, 7.7415, 1.0846



Tritanopia

13.5786, 7.4392, 1.4297

Trichromacy



Original Color

13.4635, 7.4256, 0.7237

Protanomaly

8.3124, 6.5992, 1.1835

Deuteranomaly

9.0219, 6.7503, 0.8274

Tritanomaly

13.5159, 7.4142, 1.0995

Monochromacy



Original Color

13.4635, 7.4256, 0.7237

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

5.9825, 4.5527, 2.3972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4635, 7.4256, 0.7237 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, 24, 0)` looks like.

```
.text, #text, p{  
  color:rgb(153, 24, 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, 24, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 24, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.4635, 7.4256, 0.7237 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, 24, 0) }
```


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

```
.border{ border-color:rgb(153, 24, 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, 24, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 24, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 24, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 24, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4635, 7.4256, 0.7237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 24, 0) }
```

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

```
.background{ background-color: rgb(153, 24,  
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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