

Converting Colors

XYZ(13.8829, 7.0707, 4.5432)

Have a look what the booklet for
XYZ(13.8829, 7.0707, 4.5432)
contains.

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Color

**XYZ(13.8754, 7.0677,
4.5038)**

Conversions

Conversions Part 1

Format	Color
Hex	990039
RGB	153, 0, 57
RGB Percent	60%, 0%, 22%
CMY	0.4000, 0.9999, 0.7765
CMYK	0.00, 1.00, 0.63, 0.40
HSL	338°, 100%, 30%
HSV	338°, 100%, 60%
XYZ	13.8754, 7.0677, 4.5038
YIQ	52.2450, 72.8910, 50.1630

Conversions

Conversions Part 2

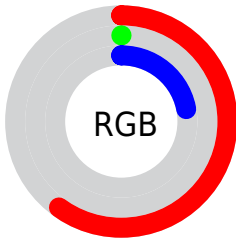
Format	Color
R_{YB}	153, 0, 57
Decimal	10027065
CIE Lab	31.96, 56.55, 13.52
CIE LCh	32, 58.141, 13.450
Yxy	7.0677, 0.5453, 0.2777
Android (android.graphics.Color)	4288217145 (0xFF990039)
YUV	52.2450, 2.3442, 88.3621
Hunter-Lab	26.5851, 46.6393, 8.5653

Details

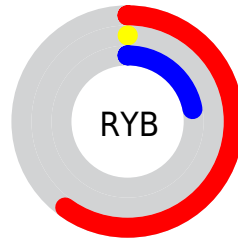
The XYZ color **13.8754, 7.0677, 4.5038** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.5037, 23.6274, 14.9200**, and the grayscale version is **3.2856, 3.4568, 3.7644**.

A 20% lighter version of the original color is **32.3880, 20.0432, 15.2584**, and **4.7023, 2.4142, 0.6701** is the 20% darker color. If you saturate the color by 10%, you get **13.8750, 7.0676, 4.5021**, and if you desaturate by 10%, it is **14.3134, 7.5235, 5.9455**.

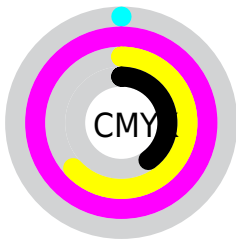
Distribution



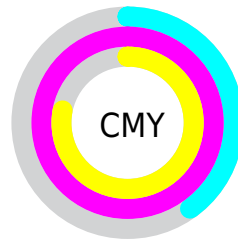
- Red (60%)
- Green (0%)
- Blue (22%)



- Red (60%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (40%)




- Cyan (40%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8754, 7.0677, 4.5038 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 13.8754, 7.0677, 4.5038 by changing the saturation by 10% instead.


 13.8754, 7.0677,
4.5038


 13.8754, 7.0677,
4.5038


209.9805,
168.2250, 153.6705


 8.1152, 3.5045,
1.9056

 32.4559, 20.1093,
15.1559


 4.2212, 1.4004,
0.4963

 46.0069, 30.3564,
24.0470


 1.8280, 0.2170,
0.0000

 62.8855, 43.6003,
35.8727

 0.5345, 0.0000,
0.0000


 83.4571, 60.2254,
51.0516


 0.0000, 0.0000,
0.0000


 108.0870, 80.6160,
70.0024


 137.1407,


105.1565, 93.1434


 170.9834,
134.2314, 120.8933


 13.8754, 7.0677,
4.5038

 13.8754, 7.0677,
4.5038


 13.8750, 7.0676,
4.5021

 14.3134, 7.5235,
5.9455

 14.9285, 8.2572,
7.6815

 15.7825, 9.3888,
9.7431

 16.9014, 10.9670,
12.1493

 18.3074, 13.0332,
14.9171

■ 20.0204, 15.6243,
18.0622

■ 22.0584, 18.7733,
21.5991

■ 24.4379, 22.5107,
25.5419

■ 27.1744, 26.8648,
29.9035

Harmonies

Analogous

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



13.7471, 7.0677, 13.3074



13.8754, 7.0677, 4.5038



11.7297, 7.0677, 1.0601

Triad

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



13.8754, 7.0677, 4.5038



3.5250, 7.0677, 0.9016



5.2290, 7.0677, 36.0986

Complementary

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



13.8754, 7.0677, 4.5038



13.5037, 23.6274, 14.9200

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.



3.3858, 7.0677, 25.1268



13.8754, 7.0677, 4.5038



2.6177, 7.0677, 3.9359

Square

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



13.8754, 7.0677, 4.5038



5.4837, 7.0677, 0.0000



2.5755, 7.0677, 12.1221



8.1240, 7.0677, 36.7394

Rectangle

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



13.8754, 7.0677, 4.5038



9.5829, 7.0677, 0.2164



2.5755, 7.0677, 12.1221



4.4893, 7.0677, 33.2638

Sweetspot

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



13.8756, 7.0681, 4.5039



39.2659, 33.2497, 38.2773



10.4028, 4.6990, 30.4956



8.3475, 6.8409, 7.8985



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.



13.8756, 7.0681, 4.5039



24.7655, 12.6240, 7.6248



13.3511, 7.2007, 0.6868



6.2992, 6.2588, 6.9557



11.4826, 5.8473, 3.8005



0.1883, 0.0941, 0.1446

Inverse Universe

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



13.8756, 7.0681, 4.5039



24.7655, 12.6240, 7.6248



14.4352, 19.6705, 33.1728



6.2992, 6.2588, 6.9557



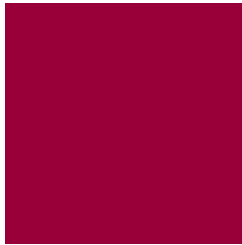
11.4826, 5.8473, 3.8005



0.1883, 0.0941, 0.1446

Previews

White Background



This preview shows how the XYZ color 13.8754, 7.0677, 4.5038 looks on a white background.

Color Contrast Check

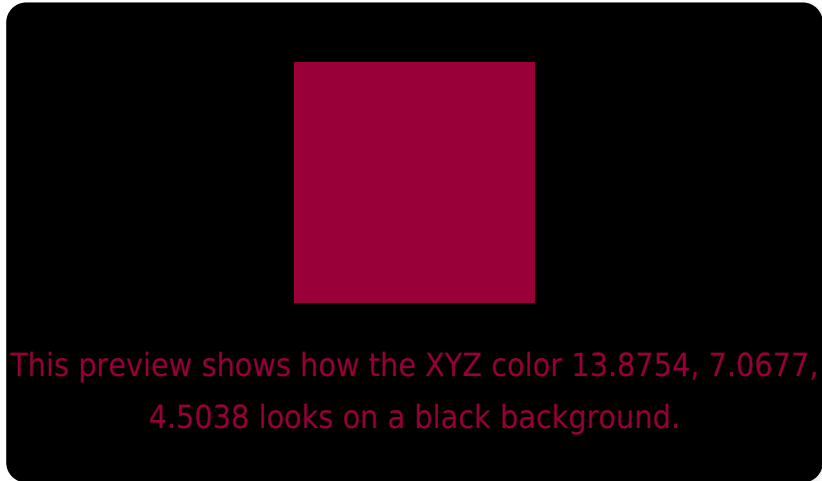
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8754, 7.0677, 4.5038

Background



This preview shows how black text looks on a background with the XYZ color 13.8754, 7.0677, 4.5038.



This preview shows how white text looks on a background with the XYZ color 13.8754, 7.0677,

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

13.8754, 7.0677, 4.5038

Protanopia

7.4276, 7.6930, 9.2770

Deuteranopia

7.7079, 7.6421, 4.0864



Tritanopia

13.3906, 7.3423, 1.4209

Trichromacy



Original Color

13.8754, 7.0677, 4.5038

Protanomaly

8.2023, 5.7789, 7.1617

Deuteranomaly

8.7698, 6.0158, 4.0671

Tritanomaly

13.4085, 7.1325, 2.1834

Monochromacy



Original Color

13.8754, 7.0677, 4.5038

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.3295, 3.4779, 3.8804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8754, 7.0677, 4.5038 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, 0, 57)` looks like.

```
.text, #text, p{  
  color:rgb(153, 0, 57)  
}
```

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, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 13.8754, 7.0677, 4.5038 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, 0, 57) }
```


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

```
.border{ border-color:rgb(153, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8754, 7.0677, 4.5038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 57) }
```

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

```
.background{ background-color: rgb(153, 0,  
57) }
```

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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