

Converting Colors

XYZ(13.6919, 7.2076, 6.4906)

Have a look what the booklet for
XYZ(13.6919, 7.2076, 6.4906)
contains.

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Color

**XYZ(13.6852, 7.2023,
6.4633)**

Conversions

Conversions Part 1

Format	Color
Hex	951046
RGB	149, 16, 70
RGB Percent	58%, 6%, 27%
CMY	0.4157, 0.9372, 0.7255
CMYK	0.00, 0.89, 0.53, 0.42
HSL	336°, 81%, 32%
HSV	336°, 89%, 58%
XYZ	13.6852, 7.2023, 6.4633
YIQ	61.9230, 61.9340, 44.9900

Conversions

Conversions Part 2

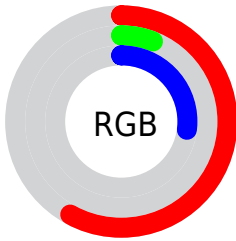
Format	Color
R_{YB}	149, 16, 70
Decimal	9769030
CIE Lab	32.26, 54.03, 5.19
CIE LCh	32, 54.283, 5.491
Yxy	7.2023, 0.5004, 0.2633
Android (android.graphics.Color)	4287959110 (0xFF951046)
YUV	61.9230, 3.9820, 76.3665
Hunter-Lab	26.8371, 44.0586, 4.5069

Details

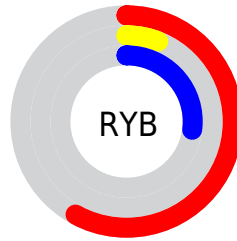
The XYZ color **13.6852, 7.2023, 6.4633** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.0275, 22.4316, 14.4726**, and the grayscale version is **4.5568, 4.7941, 5.2208**.

A 20% lighter version of the original color is **32.0784, 20.3099, 19.3690**, and **4.6115, 2.3544, 1.2483** is the 20% darker color. If you saturate the color by 10%, you get **13.2528, 6.7522, 5.0408**, and if you desaturate by 10%, it is **14.2880, 7.9274, 8.1459**.

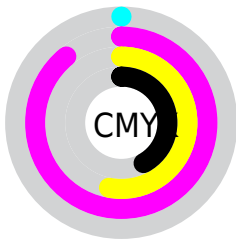
Distribution



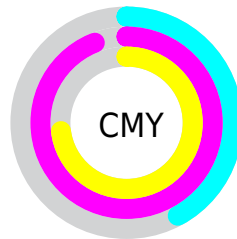
- Red (58%)
- Green (6%)
- Blue (27%)



- Red (58%)
- Yellow (6%)
- Blue (27%)



- Cyan (0%)
- Magenta (89%)
- Yellow (53%)
- Black (42%)





- Cyan (42%)
- Magenta (94%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6852, 7.2023, 6.4633 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 13.6852, 7.2023, 6.4633 by changing the saturation by 10% instead.


 13.6852, 7.2023,
6.4633


 13.6852, 7.2023,
6.4633


208.8136,
169.3342, 172.5846


 7.9823, 3.5889,
3.0555


 32.1204, 20.3790,
19.3792


 4.1353, 1.4464,
1.1230

 45.5833, 30.7112,
29.7244


 1.7790, 0.2505,
0.0000

 62.3637, 44.0518,
43.2191

 0.5050, 0.0000,
0.0000

 82.8267, 60.7851,
60.2819

 0.0000, 0.0000,
0.0000

 107.3379, 81.2956,
81.3313


 136.2625,

105.9677, 106.7859


 169.9660,
135.1858, 137.0641


 13.6852, 7.2023,
6.4633


 13.6852, 7.2023,
6.4633


 13.2528, 6.7522,
5.0408


 14.2880, 7.9274,
8.1459

 13.2230, 6.7210,
4.9432

 15.1133, 9.0287,
10.1143

 16.1848, 10.5513,
12.3841

 17.5230, 12.5336,
14.9698

 19.1459, 15.0095,
17.8843

■ 21.0701, 18.0099,
21.1400

■ 23.3106, 21.5628,
24.7485

■ 25.8817, 25.6945,
28.7207

■ 28.7966, 30.4295,
33.0671

Harmonies

Analogous

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



12.9708, 7.2023, 16.0869



13.6852, 7.2023, 6.4633



12.2013, 7.2023, 1.8805

Triad

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



13.6852, 7.2023, 6.4633



4.1819, 7.2023, 0.7990



4.8545, 7.2023, 31.7350

Complementary

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



13.6852, 7.2023, 6.4633



13.0275, 22.4316, 14.4726

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.



3.3438, 7.2023, 20.5528



13.6852, 7.2023, 6.4633



3.0357, 7.2023, 3.0430

Square

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



13.6852, 7.2023, 6.4633



6.3455, 7.2023, 0.1113



2.7769, 7.2023, 9.4042



7.3713, 7.2023, 35.1858

Rectangle

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



13.6852, 7.2023, 6.4633



10.3524, 7.2023, 0.7617



2.7769, 7.2023, 9.4042



4.2363, 7.2023, 28.5050

Sweetspot

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



13.6854, 7.2027, 6.4634



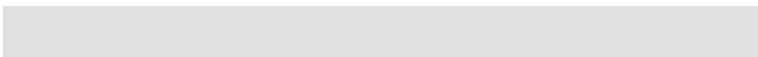
38.3772, 33.2669, 38.9156



10.1843, 4.8989, 28.8425



8.2534, 6.9767, 8.2099



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6854, 7.2027, 6.4634



23.5963, 12.0027, 8.4083



12.8821, 7.2153, 1.2045



5.8925, 5.8521, 6.5403



11.1430, 5.6623, 4.2343



0.1504, 0.0749, 0.1254

Inverse Universe

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



13.6854, 7.2027, 6.4634



23.5963, 12.0027, 8.4083



14.7154, 20.4335, 31.6022



5.8925, 5.8521, 6.5403



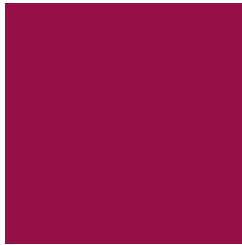
11.1430, 5.6623, 4.2343



0.1504, 0.0749, 0.1254

Previews

White Background



This preview shows how the XYZ color 13.6852, 7.2023, 6.4633 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



This preview shows how the XYZ color 13.6852, 7.2023, 6.4633 looks on a 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 13.6852, 7.2023, 6.4633

Background



This preview shows how black text looks on a background with the XYZ color 13.6852, 7.2023, 6.4633.



This preview shows how white text looks on a background with the XYZ color 13.6852, 7.2023,

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

13.6852, 7.2023, 6.4633

Protanopia

7.6266, 7.6056, 13.1226

Deuteranopia

7.6579, 7.5760, 5.9092



Tritanopia

12.7699, 7.2819, 2.0288

Trichromacy



Original Color

13.6852, 7.2023, 6.4633

Protanomaly

8.4249, 6.1630, 10.1967

Deuteranomaly

8.8581, 6.4112, 5.9249

Tritanomaly

13.0558, 7.2242, 3.1889

Monochromacy



Original Color

13.6852, 7.2023, 6.4633

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.5086, 4.6381, 5.5532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6852, 7.2023, 6.4633 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(149, 16, 70)` looks like.

```
.text, #text, p{  
    color:rgb(149, 16, 70)  
}
```

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(149, 16, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 16, 70) }
```

Border

The CSS property to change the border of an element to XYZ 13.6852, 7.2023, 6.4633 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(149, 16, 70) }
```


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

```
.border{ border-color:rgb(149, 16, 70) }
```

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

Here you see how a box with a 4 pixel rgb(149, 16, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 16, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 16, 70);  
box-shadow:4px 4px 4px 4px rgb(149, 16,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6852, 7.2023, 6.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 16, 70) }
```

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

```
.background{ background-color: rgb(149, 16,  
70) }
```

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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