

Converting Colors

XYZ(13.4403, 6.8937, 2.2124)

Have a look what the booklet for
XYZ(13.4403, 6.8937, 2.2124)
contains.

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Color

**XYZ(13.4402, 6.8937,
2.2123)**

Conversions

Conversions Part 1

Format	Color
Hex	990023
RGB	153, 0, 35
RGB Percent	60%, 0%, 14%
CMY	0.4000, 0.9999, 0.8627
CMYK	0.00, 1.00, 0.77, 0.40
HSL	346°, 100%, 30%
HSV	346°, 100%, 60%
XYZ	13.4402, 6.8937, 2.2123
YIQ	49.7370, 79.9530, 43.3210

Conversions

Conversions Part 2

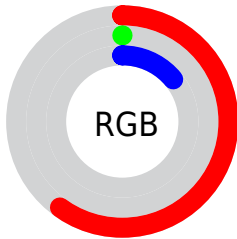
Format	Color
R_YB	153, 0, 35
Decimal	10027043
CIE _{Lab}	31.56, 55.47, 27.43
CIE _{LCh}	32, 61.887, 26.312
Yxy	6.8937, 0.5961, 0.3058
Android (android.graphics.Color)	4288217123 (0xFF990023)
YUV	49.7370, -7.2653, 90.5617
Hunter-Lab	26.2559, 45.4252, 13.3834

Details

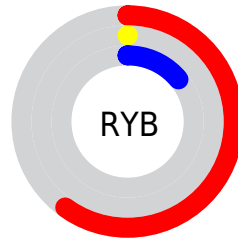
The XYZ color **13.4402, 6.8937, 2.2123** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.6630, 24.0910, 21.0248**, and the grayscale version is **3.0051, 3.1616, 3.4430**.

A 20% lighter version of the original color is **31.5916, 19.7582, 9.5458**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.4398, 6.8934, 2.2107**, and if you desaturate by 10%, it is **13.8213, 7.3268, 3.3541**.

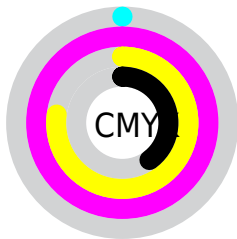
Distribution



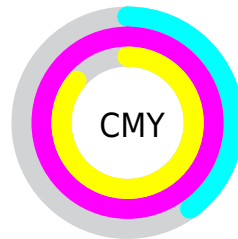
- Red (60%)
- Green (0%)
- Blue (14%)



- Red (60%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (40%)





- Cyan (40%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4402, 6.8937, 2.2123 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 13.4402, 6.8937, 2.2123 by changing the saturation by 10% instead.


 13.4402, 6.8937,
2.2123


 13.4402, 6.8937,
2.2123


207.3010,
166.7775, 125.5909


 7.8114, 3.3957,
0.6815


 31.6870, 19.7590,
9.6135


 4.0253, 1.3416,
0.0000

 45.0358, 29.8952,
16.3477


 1.7165, 0.1731,
0.0000

 61.6886, 43.0128,
25.6623

 0.4665, 0.0000,
0.0000

 82.0109, 59.4964,
37.9759


 0.0000, 0.0000,
0.0000


 106.3679, 79.7302,
53.7070


 135.1250,


104.0988, 73.2742

 168.6476,
132.9864, 97.0959


 13.4402, 6.8937,
2.2123


 13.4402, 6.8937,
2.2123


 13.4398, 6.8934,
2.2107

 13.8213, 7.3268,
3.3541

 14.3962, 8.0444,
4.8779

 15.2292, 9.1678,
6.8286

 16.3484, 10.7463,
9.2367

 17.7783, 12.8222,
12.1298

■ 19.5405, 15.4331,
15.5333

■ 21.6546, 18.6127,
19.4707

■ 24.1388, 22.3921,
23.9638

■ 27.0098, 26.8001,
29.0336

Harmonies

Analogous

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



14.4365, 6.8937, 8.6531



13.4402, 6.8937, 2.2123



10.4253, 6.8937, 0.2046

Triad

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



13.4402, 6.8937, 2.2123



2.7513, 6.8937, 1.4752



6.1779, 6.8937, 40.4416

Complementary

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



13.4402, 6.8937, 2.2123



14.6630, 24.0910, 21.0248

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.



3.7813, 6.8937, 32.3830



13.4402, 6.8937, 2.2123



2.2355, 6.8937, 6.4651

Square

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



13.4402, 6.8937, 2.2123



4.2584, 6.8937, 0.0000



2.5428, 6.8937, 17.8392



9.5500, 6.8937, 35.3672

Rectangle

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



13.4402, 6.8937, 2.2123



8.0591, 6.8937, 0.0000



2.5428, 6.8937, 17.8392



5.2460, 6.8937, 39.0820

Sweetspot

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



13.4404, 6.8941, 2.2124



38.5318, 32.9560, 34.4119



13.1272, 6.1036, 30.6228



8.1728, 6.7710, 6.9786



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.



13.4404, 6.8941, 2.2124



24.0095, 12.3216, 3.6435



13.9235, 8.3457, 0.8778



6.2638, 6.2447, 6.7692



11.1190, 5.7018, 1.8856



0.1783, 0.0901, 0.0917

Inverse Universe

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



13.4404, 6.8941, 2.2124



24.0095, 12.3216, 3.6435



11.5670, 13.9340, 32.2165



6.2638, 6.2447, 6.7692



11.1190, 5.7018, 1.8856



0.1783, 0.0901, 0.0917

Previews

White Background



This preview shows how the XYZ color 13.4402, 6.8937, 2.2123 looks on a white background.

Color Contrast Check

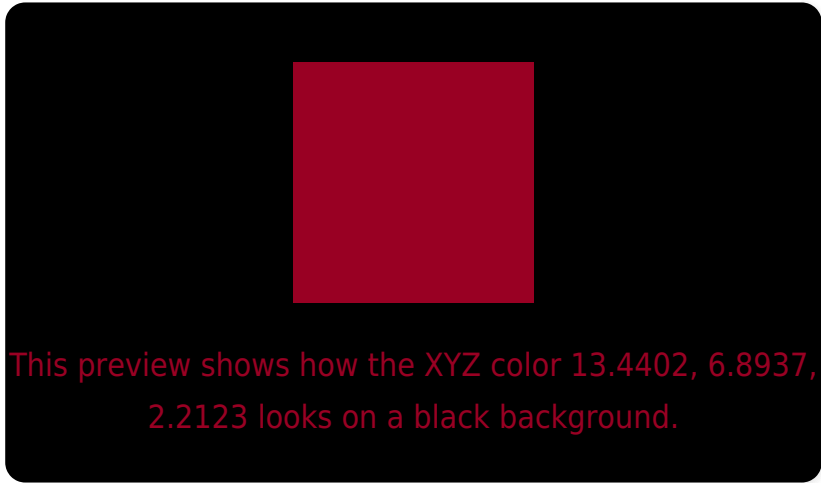
Large Text (above 18pt) WCAG AA ✓ Pass

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

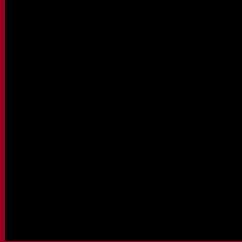
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4402, 6.8937, 2.2123

Background



This preview shows how black text looks on a background with the XYZ color 13.4402, 6.8937, 2.2123.



This preview shows how white text looks on a background with the XYZ color 13.4402, 6.8937,

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

13.4402, 6.8937, 2.2123

Protanopia

7.0231, 7.5906, 4.4631

Deuteranopia

7.5540, 7.5091, 1.9710



Tritanopia

13.3460, 7.1293, 0.8737

Trichromacy



Original Color

13.4402, 6.8937, 2.2123

Protanomaly

7.9404, 5.7297, 3.2722

Deuteranomaly

8.5744, 5.9036, 1.8500

Tritanomaly

13.3466, 7.0299, 1.1838

Monochromacy



Original Color

13.4402, 6.8937, 2.2123

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.9206, 3.2487, 2.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4402, 6.8937, 2.2123 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 13.4402, 6.8937, 2.2123 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, 35) }
```


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

```
.border{ border-color:rgb(153, 0, 35) }
```

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, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4402, 6.8937, 2.2123 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, 35) }
```

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

```
.background{ background-color: rgb(153, 0,  
35) }
```

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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