

Converting Colors

XYZ(13.2998, 6.8250, 4.2308)

Have a look what the booklet for
XYZ(13.2998, 6.8250, 4.2308)
contains.

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Color

**XYZ(13.2998, 6.8250,
4.2308)**

Conversions

Conversions Part 1

Format	Color
Hex	960337
RGB	150, 3, 55
RGB Percent	59%, 1%, 22%
CMY	0.4118, 0.9881, 0.7843
CMYK	0.00, 0.98, 0.63, 0.41
HSL	339°, 96%, 30%
HSV	339°, 98%, 59%
XYZ	13.2998, 6.8250, 4.2308
YIQ	52.8810, 70.9200, 47.3360

Conversions

Conversions Part 2

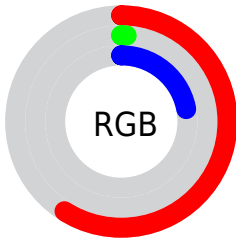
Format	Color
R_YB	150, 3, 55
Decimal	9831223
CIE Lab	31.41, 55.25, 13.99
CIE LCh	31, 56.992, 14.212
Yxy	6.8250, 0.5461, 0.2802
Android (android.graphics.Color)	4288021303 (0xFF960337)
YUV	52.8810, 1.0447, 85.1734
Hunter-Lab	26.1247, 45.1542, 8.6855

Details

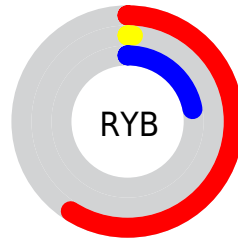
The XYZ color **13.2998, 6.8250, 4.2308** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.1497, 22.7143, 15.2519**, and the grayscale version is **3.3637, 3.5389, 3.8538**.

A 20% lighter version of the original color is **31.4434, 19.6734, 14.4520**, and **4.4800, 2.3019, 0.5560** is the 20% darker color. If you saturate the color by 10%, you get **13.2212, 6.7414, 3.9782**, and if you desaturate by 10%, it is **13.7396, 7.2954, 5.6389**.

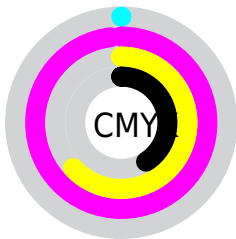
Distribution



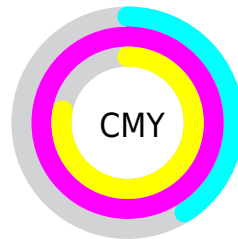
- Red (59%)
- Green (1%)
- Blue (22%)



- Red (59%)
- Yellow (1%)
- Blue (22%)



- Cyan (0%)
- Magenta (98%)
- Yellow (63%)
- Black (41%)



- Cyan (41%)
- Magenta (99%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2998, 6.8250, 4.2308 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 13.2998, 6.8250, 4.2308 by changing the saturation by 10% instead.

■ 13.2998, 6.8250,
4.2308

■ 13.2998, 6.8250,
4.2308

206.4292,
166.2016, 150.7572

■ 7.7137, 3.3529,
1.7528

■ 31.4381, 19.6203,
14.5386

■ 3.9626, 1.3186,
0.3965

■ 44.7210, 29.7123,
23.2056

■ 1.6810, 0.1556,
0.0000

■ 61.3003, 42.7796,
34.7726

■ 0.4443, 0.0000,
0.0000

■ 81.5413, 59.2068,
49.6581

■ 0.0000, 0.0000,
0.0000

■ 105.8093, 79.3782,
68.2808

■ 134.4697,

103.6782, 91.0592

167.8879,
132.4912, 118.4118

13.2998, 6.8250,
4.2308

13.2998, 6.8250,
4.2308

13.2212, 6.7414,
3.9782

13.7396, 7.2954,
5.6389

14.3713, 8.0726,
7.3485

15.2390, 9.2411,
9.3857

16.3669, 10.8457,
11.7691

17.7757, 12.9248,
14.5156

■ 19.4842, 15.5127,
17.6409

■ 21.5093, 18.6405,
21.1596

■ 23.8667, 22.3367,
25.0856

■ 26.5710, 26.6279,
29.4320

Harmonies

Analogous

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



13.2375, 6.8250, 12.5141



13.2998, 6.8250, 4.2308



11.2072, 6.8250, 1.0077

Triad

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



13.2998, 6.8250, 4.2308



3.3904, 6.8250, 0.9296



5.1193, 6.8250, 34.6726

Complementary

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



13.2998, 6.8250, 4.2308



13.1497, 22.7143, 15.2519

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.



3.3223, 6.8250, 24.3964



13.2998, 6.8250, 4.2308



2.5402, 6.8250, 3.9534

Square

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



13.2998, 6.8250, 4.2308



5.2435, 6.8250, 0.0000



2.5196, 6.8250, 11.9385



7.9129, 6.8250, 34.9826

Rectangle

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



13.2998, 6.8250, 4.2308



9.1465, 6.8250, 0.1979



2.5196, 6.8250, 11.9385



4.4005, 6.8250, 32.0560

Sweetspot

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



13.3000, 6.8254, 4.2309



37.3541, 31.9552, 36.3099



10.3730, 4.7602, 29.2260



7.9651, 6.5970, 7.5064



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.



13.3000, 6.8254, 4.2309



23.2567, 11.8668, 6.6198



12.8930, 7.0884, 0.7754



5.8805, 5.8473, 6.4767



10.9797, 5.5969, 3.3739



0.1474, 0.0737, 0.1100

Inverse Universe

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



13.3000, 6.8254, 4.2309



23.2567, 11.8668, 6.6198



13.5791, 18.2940, 31.6693



5.8805, 5.8473, 6.4767



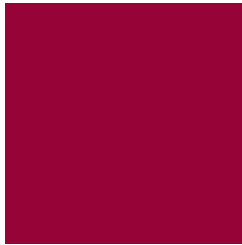
10.9797, 5.5969, 3.3739



0.1474, 0.0737, 0.1100

Previews

White Background



This preview shows how the XYZ color 13.2998, 6.8250, 4.2308 looks on a white background.

Color Contrast Check

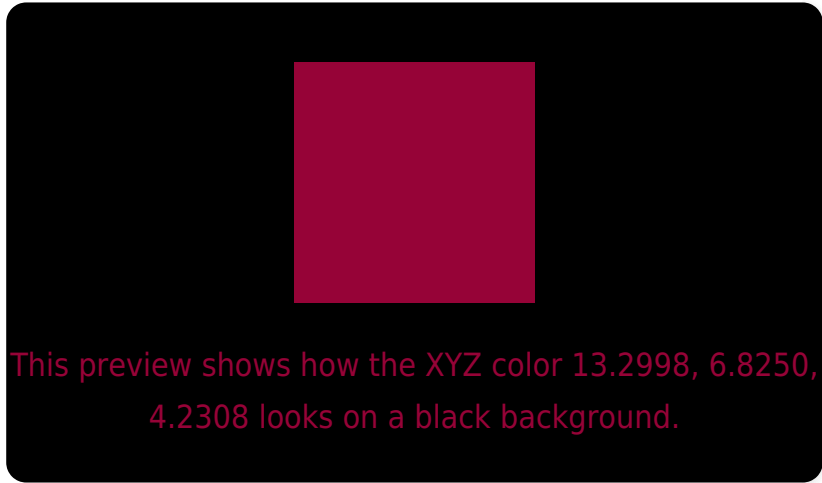
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2998, 6.8250, 4.2308

Background



This preview shows how black text looks on a background with the XYZ color 13.2998, 6.8250, 4.2308.



This preview shows how white text looks on a background with the XYZ color 13.2998, 6.8250,

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

13.2998, 6.8250, 4.2308

Protanopia

7.1302, 7.3407, 8.8257

Deuteranopia

7.4302, 7.3056, 3.8148



Tritanopia

12.8076, 7.0139, 1.3406

Trichromacy



Original Color

13.2998, 6.8250, 4.2308

Protanomaly

7.9769, 5.6076, 6.7928

Deuteranomaly

8.5939, 5.9303, 3.8237

Tritanomaly

12.8398, 6.8410, 2.0826

Monochromacy



Original Color

13.2998, 6.8250, 4.2308

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.2914, 3.5431, 3.8950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2998, 6.8250, 4.2308 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(150, 3, 55)` looks like.

```
.text, #text, p{  
    color:rgb(150, 3, 55)  
}
```

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(150, 3, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 3, 55) }
```

Border

The CSS property to change the border of an element to XYZ 13.2998, 6.8250, 4.2308 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(150, 3, 55) }
```


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

```
.border{ border-color:rgb(150, 3, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 3, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 3, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 3, 55);  
box-shadow:4px 4px 4px 4px rgb(150, 3, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2998, 6.8250, 4.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 3, 55) }
```

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

```
.background{ background-color: rgb(150, 3,  
55) }
```

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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