

Converting Colors

XYZ(13.3112, 8.0474, 10.2324)

Have a look what the booklet for
XYZ(13.3112, 8.0474, 10.2324)
contains.

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Color

**XYZ(13.3890, 8.0870,
10.3065)**

Conversions

Conversions Part 1

Format	Color
Hex	8B2D59
RGB	139, 45, 89
RGB Percent	55%, 18%, 35%
CMY	0.4549, 0.8235, 0.6510
CMYK	0.00, 0.68, 0.36, 0.45
HSL	332°, 51%, 36%
HSV	332°, 68%, 55%
XYZ	13.3890, 8.0870, 10.3065
YIQ	78.1220, 41.9000, 33.6120

Conversions

Conversions Part 2

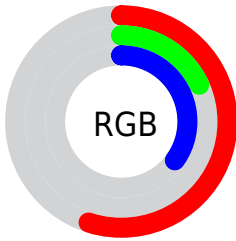
Format	Color
RYB	139, 45, 89
Decimal	9121113
CIELab	34.16, 43.94, -4.66
CIElCh	34, 44.184, 353.947
Yxy	8.0870, 0.4213, 0.2544
Android (android.graphics.Color)	4287311193 (0xFF8B2D59)
YUV	78.1220, 5.3629, 53.3900
Hunter-Lab	28.4377, 34.2754, -1.5818

Details

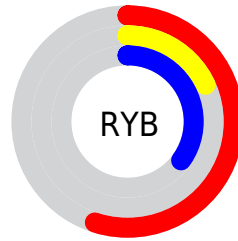
The XYZ color **13.3890, 8.0870, 10.3065** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.3808, 19.8495, 14.0064**, and the grayscale version is **7.2496, 7.6271, 8.3060**.

A 20% lighter version of the original color is **31.6998, 22.1492, 27.0306**, and **4.2009, 2.1131, 2.5693** is the 20% darker color. If you saturate the color by 10%, you get **12.6482, 7.0777, 8.6039**, and if you desaturate by 10%, it is **14.3361, 9.4590, 12.2320**.

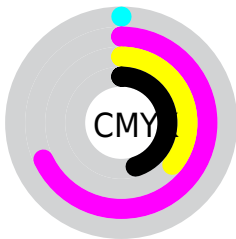
Distribution



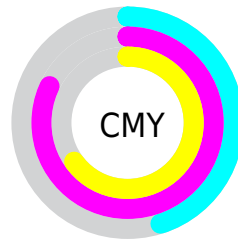
- Red (55%)
- Green (18%)
- Blue (35%)



- Red (55%)
- Yellow (18%)
- Blue (35%)



- Cyan (0%)
- Magenta (68%)
- Yellow (36%)
- Black (45%)




- Cyan (45%)
- Magenta (82%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3890, 8.0870, 10.3065 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 13.3890, 8.0870, 10.3065 by changing the saturation by 10% instead.


 13.3890, 8.0870,
10.3065


 13.3890, 8.0870,
10.3065


206.9835,
176.4128, 203.4095

 7.7758, 4.1507,
5.4944


 31.5963, 22.1288,
26.9872


 4.0024, 1.7582,
2.4764

 44.9211, 33.0031,
39.6929


 1.7035, 0.4609,
0.8276

 61.5471, 46.9588,
55.8668

 0.4585, 0.0000,
0.0000

 81.8398, 64.3804,
75.9276

 0.0000, 0.0000,
0.0000

 106.1644, 85.6521,
100.2937

 134.8863,

111.1585, 129.3837

168.3709,
141.2840, 163.6161

■ 13.3890, 8.0870,
10.3065

■ 13.3890, 8.0870,
10.3065

■ 12.6482, 7.0777,
8.6039

■ 14.3361, 9.4590,
12.2320

■ 12.0943, 6.3935,
7.1128

■ 15.5052, 11.2237,
14.3896

■ 11.6910, 5.9638,
5.8166

■ 16.9111, 13.4095,
16.7886

■ 11.6033, 5.8713,
5.5319

■ 18.5673, 16.0416,
19.4374

■ 20.4859, 19.1435,
22.3440

■ 22.6785, 22.7368,
25.5158

■ 25.1557, 26.8419,
28.9602

■ 27.9278, 31.4778,
32.6841

■ 31.0043, 36.6629,
36.6939

Harmonies

Analogous

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



12.1601, 8.0870, 19.3751



13.3890, 8.0870, 10.3065



12.8473, 8.0870, 4.3851

Triad

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



13.3890, 8.0870, 10.3065



5.9281, 8.0870, 1.3341



5.2334, 8.0870, 24.8425

Complementary

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



13.3890, 8.0870, 10.3065



12.3808, 19.8495, 14.0064

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.



4.1341, 8.0870, 15.4972



13.3890, 8.0870, 10.3065



4.4716, 8.0870, 3.0116

Square

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



13.3890, 8.0870, 10.3065



8.1941, 8.0870, 1.0485



3.8883, 8.0870, 7.4576



7.2002, 8.0870, 30.1974

Rectangle

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



13.3890, 8.0870, 10.3065



11.6027, 8.0870, 2.3679



3.8883, 8.0870, 7.4576



4.7685, 8.0870, 21.8837

Sweetspot

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



13.3892, 8.0874, 10.3066



35.6715, 32.6329, 38.5026



10.1708, 6.0982, 25.0671



8.0203, 7.1967, 8.5714



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.3892, 8.0874, 10.3066



22.1015, 11.9769, 13.9896



12.1207, 7.6774, 3.3262



5.1239, 5.0850, 5.7410



10.4811, 5.3026, 5.0378



0.0769, 0.0381, 0.0719

Inverse Universe

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



13.3892, 8.0874, 10.3066



22.1015, 11.9769, 13.9896



14.7500, 20.4369, 27.5934



5.1239, 5.0850, 5.7410



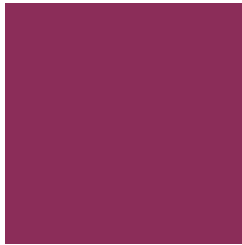
10.4811, 5.3026, 5.0378



0.0769, 0.0381, 0.0719

Previews

White Background



This preview shows how the XYZ color 13.3890, 8.0870, 10.3065 looks on a white background.

Color Contrast Check

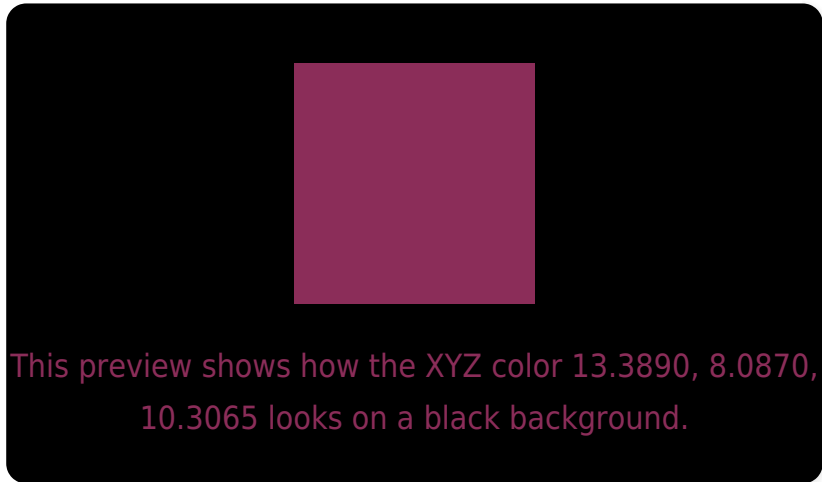
Large Text (above 18pt) WCAG AA ✓ Pass

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

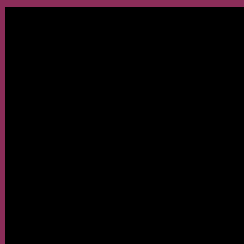
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3890, 8.0870, 10.3065

Background



This preview shows how black text looks on a background with the XYZ color 13.3890, 8.0870, 10.3065.



This preview shows how white text looks on a background with the XYZ color 13.3890, 8.0870,

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

13.3890, 8.0870, 10.3065

Protanopia

8.4658, 8.2849, 16.4822

Deuteranopia

8.4207, 8.3068, 9.5471



Tritanopia

12.3034, 8.1501, 4.6660

Trichromacy



Original Color

13.3890, 8.0870, 10.3065

Protanomaly

9.3297, 7.5006, 14.0527

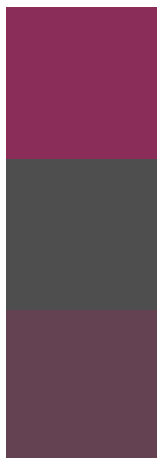
Deuteranomaly

9.7503, 7.8120, 9.7981

Tritanomaly

12.6652, 8.1018, 6.3651

Monochromacy



Original Color

13.3890, 8.0870, 10.3065

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.7267, 7.2150, 8.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3890, 8.0870, 10.3065 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(139, 45, 89)` looks like.

```
.text, #text, p{  
    color:rgb(139, 45, 89)  
}
```

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(139, 45, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 45, 89) }
```

Border

The CSS property to change the border of an element to XYZ 13.3890, 8.0870, 10.3065 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(139, 45, 89) }
```


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

```
.border{ border-color:rgb(139, 45, 89) }
```

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

Here you see how a box with a 4 pixel rgb(139, 45, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 45, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 45, 89);  
box-shadow:4px 4px 4px 4px rgb(139, 45,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3890, 8.0870, 10.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 45, 89) }
```

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

```
.background{ background-color: rgb(139, 45,  
89) }
```

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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