

Converting Colors

XYZ(13.1065, 8.7915, 7.9074)

Have a look what the booklet for
XYZ(13.1065, 8.7915, 7.9074)
contains.

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Color

**XYZ(13.0842, 8.7664,
7.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	89394C
RGB	137, 57, 76
RGB Percent	54%, 22%, 30%
CMY	0.4627, 0.7765, 0.7020
CMYK	0.00, 0.58, 0.45, 0.46
HSL	346°, 41%, 38%
HSV	346°, 58%, 54%
XYZ	13.0842, 8.7664, 7.8400
YIQ	83.0860, 41.5810, 22.8690

Conversions

Conversions Part 2

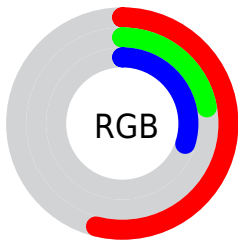
Format	Color
RYB	137, 57, 76
Decimal	8993100
CIELab	35.53, 36.06, 5.64
CIELCh	36, 36.494, 8.892
Yxy	8.7664, 0.4407, 0.2953
Android (android.graphics.Color)	4287183180 (0xFF89394C)
YUV	83.0860, -3.4934, 47.2826
Hunter-Lab	29.6081, 27.0672, 5.0261

Details

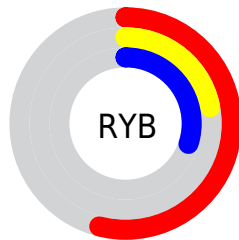
The XYZ color **13.0842, 8.7664, 7.8400** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **13.9035, 20.0695, 20.2817**, and the grayscale version is **8.2407, 8.6699, 9.4415**.

A 20% lighter version of the original color is **30.9517, 23.3335, 22.2745**, and **3.8606, 2.0084, 1.5507** is the 20% darker color. If you saturate the color by 10%, you get **12.1618, 7.4564, 5.8838**, and if you desaturate by 10%, it is **14.2488, 10.4664, 10.1681**.

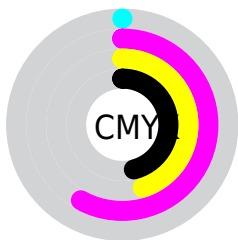
Distribution



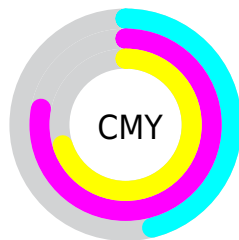
- Red (54%)
- Green (22%)
- Blue (30%)



- Red (54%)
- Yellow (22%)
- Blue (30%)



- Cyan (0%)
- Magenta (58%)
- Yellow (45%)
- Black (46%)




- Cyan (46%)
- Magenta (78%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0842, 8.7664, 7.8400 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 13.0842, 8.7664, 7.8400 by changing the saturation by 10% instead.


 13.0842, 8.7664,
7.8400


 13.0842, 8.7664,
7.8400


205.0833,
181.6256, 184.3591


 7.5640, 4.5891,
3.9064


 31.0550, 23.4478,
22.1851


 3.8667, 2.0083,
1.5742

 44.2363, 34.7206,
33.4338


 1.6270, 0.6123,
0.2723

 60.7019, 49.1275,
47.9579

 0.4099, 0.0000,
0.0000

 80.8173, 67.0528,
66.1760

 0.0000, 0.0000,
0.0000

 104.9478, 88.8808,
88.5067

 133.4587,

114.9960, 115.3683

166.7154,
145.7828, 147.1797

■ 13.0842, 8.7664,
7.8400

■ 13.0842, 8.7664,
7.8400

■ 12.1618, 7.4564,
5.8838

■ 14.2488, 10.4664,
10.1681

■ 11.4630, 6.5039,
4.2791

■ 15.6711, 12.5831,
12.8862

■ 10.9676, 5.8730,
3.0040

■ 17.3658, 15.1420,
16.0115

■ 10.6323, 5.4830,
2.0275

■ 19.3466, 18.1665,
19.5602

■ 10.5846, 5.4256,
1.8942

■ 21.6259, 21.6783,
23.5475

■ 24.2157, 25.6976,
27.9879

■ 27.1272, 30.2435,
32.8950

■ 30.3709, 35.3343,
38.2823

■ 33.9570, 40.9870,
44.1622

Harmonies

Analogous

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



12.7810, 8.7664, 14.4385



13.0842, 8.7664, 7.8400



11.9551, 8.7664, 3.9010

Triad

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



13.0842, 8.7664, 7.8400



6.0104, 8.7664, 3.0052



6.9389, 8.7664, 25.2601

Complementary

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



13.0842, 8.7664, 7.8400



13.9035, 20.0695, 20.2817

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.



5.5269, 8.7664, 18.9984



13.0842, 8.7664, 7.8400



5.0580, 8.7664, 5.9049

Square

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



13.0842, 8.7664, 7.8400



7.7134, 8.7664, 2.0023



4.8976, 8.7664, 11.4811



8.9833, 8.7664, 26.5200

Rectangle

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



13.0842, 8.7664, 7.8400



10.6393, 8.7664, 2.6009



4.8976, 8.7664, 11.4811



6.3853, 8.7664, 23.5729

Sweetspot

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



13.0844, 8.7669, 7.8402



34.6438, 32.5294, 35.0247



13.3150, 8.5148, 24.6087



7.5554, 6.9667, 7.4742



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.0844, 8.7669, 7.8402



21.3433, 12.7488, 9.5644



13.7093, 10.9220, 5.2570



5.0784, 5.0668, 5.5013



9.8636, 5.0556, 1.7863



0.0705, 0.0356, 0.0379

Inverse Universe

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



13.0844, 8.7669, 7.8402



21.3433, 12.7488, 9.5644



12.5644, 15.3990, 25.9771



5.0784, 5.0668, 5.5013



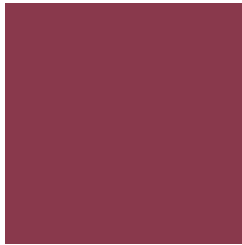
9.8636, 5.0556, 1.7863



0.0705, 0.0356, 0.0379

Previews

White Background



This preview shows how the XYZ color 13.0842, 8.7664, 7.8400 looks on a white background.

Color Contrast Check

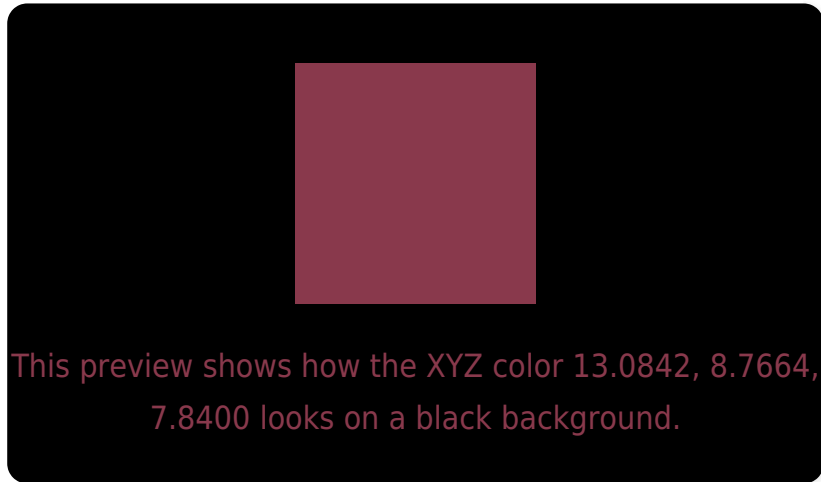
Large Text (above 18pt) WCAG AA ✓ Pass

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

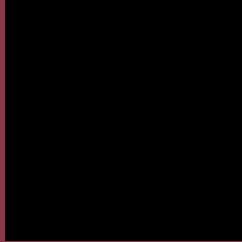
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0842, 8.7664, 7.8400

Background



This preview shows how black text looks on a background with the XYZ color 13.0842, 8.7664, 7.8400.



This preview shows how white text looks on a background with the XYZ color 13.0842, 8.7664,

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

13.0842, 8.7664, 7.8400

Protanopia

8.7148, 8.9808, 11.1717

Deuteranopia

9.0419, 8.8941, 7.3711



Tritanopia

12.6145, 8.7211, 5.7211

Trichromacy



Original Color

13.0842, 8.7664, 7.8400

Protanomaly

9.7220, 8.4530, 9.9233

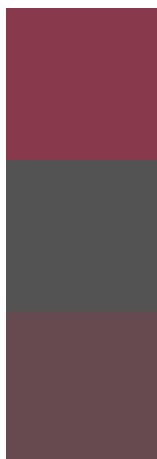
Deuteranomaly

10.2021, 8.5605, 7.4180

Tritanomaly

12.7098, 8.6777, 6.4739

Monochromacy



Original Color

13.0842, 8.7664, 7.8400

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.4903, 8.3603, 8.7029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0842, 8.7664, 7.8400 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(137, 57, 76)` looks like.

```
.text, #text, p{  
    color:rgb(137, 57, 76)  
}
```

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(137, 57, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 57, 76) }
```

Border

The CSS property to change the border of an element to XYZ 13.0842, 8.7664, 7.8400 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(137, 57, 76) }
```


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

```
.border{ border-color:rgb(137, 57, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 57, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 57, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 57, 76);  
box-shadow:4px 4px 4px 4px rgb(137, 57,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0842, 8.7664, 7.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 57, 76) }
```

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

```
.background{ background-color: rgb(137, 57,  
76) }
```

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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