

Converting Colors

XYZ(14.9985, 12.9781, 8.9103)

Have a look what the booklet for
XYZ(14.9985, 12.9781, 8.9103)
contains.

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Color

**XYZ(15.0230, 13.0133,
8.9277)**

Conversions

Conversions Part 1

Format	Color
Hex	875A4E
RGB	135, 90, 78
RGB Percent	53%, 35%, 31%
CMY	0.4706, 0.6470, 0.6941
CMYK	0.00, 0.33, 0.42, 0.47
HSL	13°, 27%, 42%
HSV	13°, 42%, 53%
XYZ	15.0230, 13.0133, 8.9277
YIQ	102.0870, 30.6720, 5.8080

Conversions

Conversions Part 2

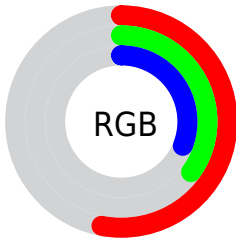
Format	Color
RYB	135, 93, 78
Decimal	8870478
CIELab	42.78, 16.96, 14.46
CIElCh	43, 22.292, 40.451
Yxy	13.0133, 0.4064, 0.3521
Android (android.graphics.Color)	4287060558 (0xFF875A4E)
YUV	102.0870, -11.8749, 28.8647
Hunter-Lab	36.0740, 11.2069, 10.5785

Details

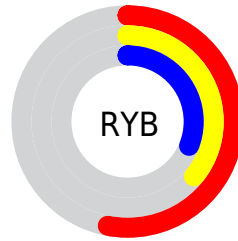
The XYZ color **15.0230, 13.0133, 8.9277** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **14.5977, 17.5341, 25.5367**, and the grayscale version is **12.6768, 13.3370, 14.5240**.

A 20% lighter version of the original color is **34.4441, 31.2356, 24.2924**, and **4.7567, 3.7559, 1.9876** is the 20% darker color. If you saturate the color by 10%, you get **13.7525, 11.1689, 6.3565**, and if you desaturate by 10%, it is **16.5225, 15.1565, 12.0658**.

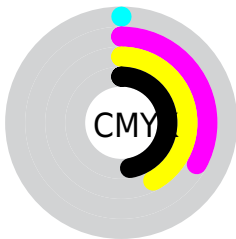
Distribution



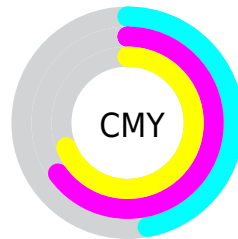
- Red (53%)
- Green (35%)
- Blue (31%)



- Red (53%)
- Yellow (36%)
- Blue (31%)



- Cyan (0%)
- Magenta (33%)
- Yellow (42%)
- Black (47%)



- Cyan (47%)
- Magenta (65%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0230, 13.0133, 8.9277 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 15.0230, 13.0133, 8.9277 by changing the saturation by 10% instead.

■ 15.0230, 13.0133,
8.9277

■ 15.0230, 13.0133,
8.9277

216.8910,
211.0029, 193.0358

■ 8.9220, 7.4377,
4.5979

■ 34.4648, 31.3277,
24.3335

■ 4.7470, 3.7373,
1.9587

■ 48.5364, 44.8352,
36.2466

■ 2.1328, 1.5277,
0.5297

■ 65.9954, 61.7556,
51.5246

■ 0.7070, 0.3081,
0.0000

■ 87.2073, 82.4731,
70.5859

■ 0.0000, 0.0000,
0.0000

■ 112.5375,
107.3722, 93.8491

142.3513,

136.8373, 121.7328

177.0140,
171.2527, 154.6555

■ 15.0230, 13.0133,
8.9277

■ 15.0230, 13.0133,
8.9277

■ 13.7525, 11.1689,
6.3565

■ 16.5225, 15.1565,
12.0658

■ 12.6983, 9.6081,
4.3173

■ 18.2607, 17.6092,
15.8012

■ 11.8482, 8.3170,
2.7726

■ 20.2480, 20.3838,
20.1632

■ 11.1881, 7.2800,
1.6797

■ 22.4938, 23.4914,
25.1787

■ 10.7021, 6.4796,
0.9883

■ 25.0072, 26.9426,
30.8733

■ 10.4172, 6.0019,
0.6094

■ 27.7965, 30.7477,
37.2710

■ 30.8700, 34.9162,
44.3947

■ 34.2354, 39.4576,
52.2664

■ 37.9003, 44.3809,
60.9069

Harmonies

Analogous

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



15.8650, 13.0133, 12.5400



15.0230, 13.0133, 8.9277



13.4936, 13.0133, 7.0586

Triad

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



15.0230, 13.0133, 8.9277



9.5403, 13.0133, 11.2654



12.9705, 13.0133, 25.4959

Complementary

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



15.0230, 13.0133, 8.9277



14.5977, 17.5341, 25.5367

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.



11.3082, 13.0133, 24.9323



15.0230, 13.0133, 8.9277



9.4281, 13.0133, 15.9339

Square

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



15.0230, 13.0133, 8.9277



10.3693, 13.0133, 8.1790



10.0471, 13.0133, 21.1421



14.6100, 13.0133, 22.5411

Rectangle

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



15.0230, 13.0133, 8.9277



12.3430, 13.0133, 6.7255



10.0471, 13.0133, 21.1421



12.3945, 13.0133, 25.7256

Sweetspot

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



15.0233, 13.0139, 8.9280



35.8580, 35.9441, 35.2181



16.3290, 12.0449, 20.4007



8.1356, 8.0894, 7.7838



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.



15.0233, 13.0139, 8.9280



24.6446, 20.0257, 11.4161



17.8335, 18.6343, 9.8647



4.7462, 4.8360, 4.9127



9.6144, 5.5515, 0.5648



0.0377, 0.0281, 0.0034

Inverse Universe

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



14.5977, 17.5341, 25.5367



23.7551, 29.2533, 45.4428



11.6164, 11.5715, 24.5430



4.7206, 5.1169, 5.9396



8.8495, 11.2467, 22.8411



0.0358, 0.0493, 0.0809

Previews

White Background



This preview shows how the XYZ color 15.0230, 13.0133, 8.9277 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 × Fail

Black Background



This preview shows how the XYZ color 15.0230, 13.0133, 8.9277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0230, 13.0133, 8.9277

Background



This preview shows how black text looks on a background with the XYZ color 15.0230, 13.0133, 8.9277.



This preview shows how white text looks on a background with the XYZ color 15.0230, 13.0133,

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

15.0230, 13.0133, 8.9277

Protanopia

12.2784, 13.0577, 10.0569

Deuteranopia

13.2220, 13.0071, 8.8349



Tritanopia

15.6634, 13.0218, 12.2776

Trichromacy



Original Color

15.0230, 13.0133, 8.9277

Protanomaly

13.0960, 12.9254, 9.5892

Deuteranomaly

13.7997, 12.9012, 8.7840

Tritanomaly

15.4872, 13.0836, 10.9416

Monochromacy



Original Color

15.0230, 13.0133, 8.9277

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.2829, 13.1031, 12.1850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0230, 13.0133, 8.9277 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(135, 90, 78)` looks like.

```
.text, #text, p{  
    color:rgb(135, 90, 78)  
}
```

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(135, 90, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 90, 78) }
```

Border

The CSS property to change the border of an element to XYZ 15.0230, 13.0133, 8.9277 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(135, 90, 78) }
```


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

```
.border{ border-color:rgb(135, 90, 78) }
```

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

Here you see how a box with a 4 pixel rgb(135, 90, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 90, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 90, 78);  
box-shadow:4px 4px 4px 4px rgb(135, 90,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0230, 13.0133, 8.9277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 90, 78) }
```

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

```
.background{ background-color: rgb(135, 90,  
78) }
```

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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