

Converting Colors

XYZ(13.8113, 10.3039, 12.3262)

Have a look what the booklet for
XYZ(13.8113, 10.3039, 12.3262)
contains.

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Color

**XYZ(13.7888, 10.3046,
12.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	834860
RGB	131, 72, 96
RGB Percent	51%, 28%, 38%
CMY	0.4863, 0.7176, 0.6235
CMYK	0.00, 0.45, 0.27, 0.49
HSL	336°, 29%, 40%
HSV	336°, 45%, 51%
XYZ	13.7888, 10.3046, 12.3286
YIQ	92.3770, 27.4600, 19.9720

Conversions

Conversions Part 2

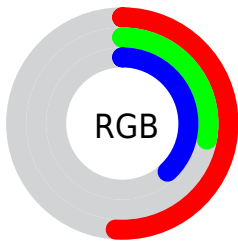
Format	Color
RYB	131, 72, 96
Decimal	8603744
CIELab	38.38, 28.31, -2.99
CIElCh	38, 28.469, 353.968
Yxy	10.3046, 0.3786, 0.2829
Android (android.graphics.Color)	4286793824 (0xFF834860)
YUV	92.3770, 1.7861, 33.8724
Hunter-Lab	32.1008, 20.4978, -0.3003




Details

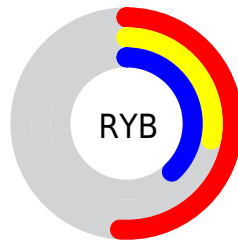
The XYZ color **13.7888, 10.3046, 12.3286** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.4432, 18.6722, 16.8065**, and the grayscale version is **10.2516, 10.7855, 11.7454**.




A 20% lighter version of the original color is **32.3975, 26.4335, 30.5888**, and **4.1478, 2.5878, 3.2985** is the 20% darker color. If you saturate the color by 10%, you get **12.6901, 8.6518, 10.2835**, and if you desaturate by 10%, it is **15.1039, 12.3336, 14.6207**.

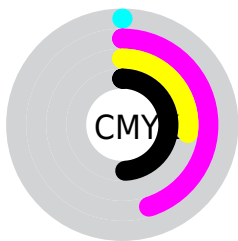
Distribution







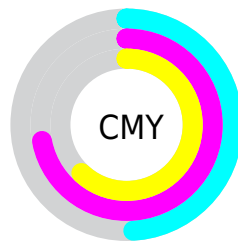
-  Red (51%)
-  Green (28%)
-  Blue (38%)






-  Red (51%)
-  Yellow (28%)
-  Blue (38%)



-  Cyan (0%)
-  Magenta (45%)
-  Yellow (27%)
-  Black (49%)



-  Cyan (49%)
-  Magenta (72%)
-  Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7888, 10.3046, 12.3286 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 13.7888, 10.3046, 12.3286 by changing the saturation by 10% instead.

■ 13.7888, 10.3046,
12.3286

■ 13.7888, 10.3046,
12.3286

209.4500,
192.8324, 217.6233

■ 8.0546, 5.6014,
6.8426

■ 32.3032, 26.3669,
30.7655

■ 4.1820, 2.6042,
3.2869

■ 45.8142, 38.4947,
44.5535

■ 1.8056, 0.9288,
1.2429

■ 62.6481, 53.8662,
61.9459

■ 0.5211, 0.0000,
0.0143

■ 83.1704, 72.8658,
83.3613

■ 0.0000, 0.0000,
0.0000

■ 107.7464, 95.8778,
109.2182

136.7414,

123.2866, 139.9351

170.5208,
155.4767, 175.9306

■ 13.7888, 10.3046,
12.3286

■ 13.7888, 10.3046,
12.3286

■ 12.6901, 8.6518,
10.2835

■ 15.1039, 12.3336,
14.6207

■ 11.7944, 7.3500,
8.4754

■ 16.6462, 14.7586,
17.1678

■ 11.0880, 6.3735,
6.8947


■ 18.4266, 17.6002,
19.9783


■ 10.5550, 5.6924,
5.5304


■ 20.4550, 20.8767,
23.0600


■ 10.1728, 5.2633,
4.3693


■ 22.7408, 24.6056,
26.4203

 10.0093, 5.0850,
3.8565

 25.2931, 28.8033,
30.0665

 28.1202, 33.4855,
34.0054

 31.2301, 38.6669,
38.2436

 34.6307, 44.3619,
42.7875

Harmonies

Analogous

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



12.9727, 10.3046, 18.3694



13.7888, 10.3046, 12.3286



13.4303, 10.3046, 7.5594

Triad

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



13.7888, 10.3046, 12.3286



8.4150, 10.3046, 4.2326



7.8415, 10.3046, 21.6800

Complementary

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



13.7888, 10.3046, 12.3286



13.4432, 18.6722, 16.8065

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.



6.8819, 10.3046, 15.9046



13.7888, 10.3046, 12.3286



7.1826, 10.3046, 6.2180

Square

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



13.7888, 10.3046, 12.3286



10.1740, 10.3046, 3.8165



6.6568, 10.3046, 10.1799



9.4240, 10.3046, 24.7608

Rectangle

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



13.7888, 10.3046, 12.3286



12.5936, 10.3046, 5.5153



6.6568, 10.3046, 10.1799



7.4438, 10.3046, 19.9158

Sweetspot

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



13.7891, 10.3051, 12.3288



33.2417, 31.9098, 36.1535



12.4081, 9.3638, 22.6263



7.5909, 7.1909, 8.1874



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.7891, 10.3051, 12.3288



22.6877, 15.4379, 18.3428



13.1783, 10.5899, 7.4810



4.7453, 4.7178, 5.2709



9.8538, 5.0059, 3.8027



0.0376, 0.0187, 0.0314

Inverse Universe

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



13.7891, 10.3051, 12.3288



22.6877, 15.4379, 18.3428



14.2411, 17.9598, 24.1888



4.7453, 4.7178, 5.2709



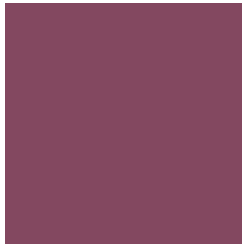
9.8538, 5.0059, 3.8027



0.0376, 0.0187, 0.0314

Previews

White Background



This preview shows how the XYZ color 13.7888, 10.3046, 12.3286 looks on a white background.

Color Contrast Check

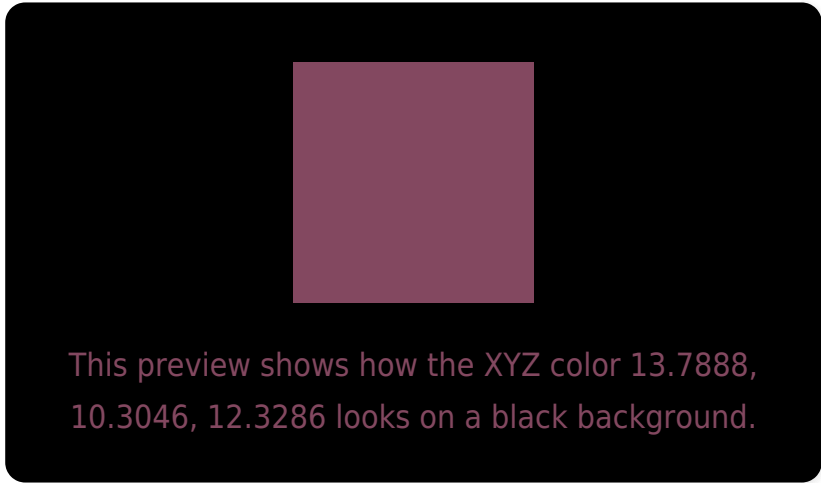
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

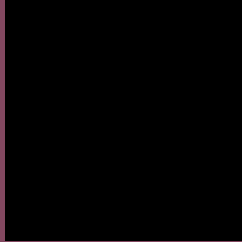
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7888, 10.3046, 12.3286

Background



This preview shows how black text looks on a background with the XYZ color 13.7888, 10.3046, 12.3286.



This preview shows how white text looks on a background with the XYZ color 13.7888, 10.3046,

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

13.7888, 10.3046, 12.3286

Protanopia

10.2405, 10.4001, 15.3776

Deuteranopia

10.6111, 10.4224, 11.8084



Tritanopia

13.1700, 10.3572, 8.8944

Trichromacy



Original Color

13.7888, 10.3046, 12.3286

Protanomaly

11.1350, 10.0494, 14.1848

Deuteranomaly

11.5932, 10.2222, 11.9517

Tritanomaly

13.3344, 10.3153, 10.0923

Monochromacy



Original Color

13.7888, 10.3046, 12.3286

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.1681, 10.3515, 11.7653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7888, 10.3046, 12.3286 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(131, 72, 96)` looks like.

```
.text, #text, p{  
    color:rgb(131, 72, 96)  
}
```

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(131, 72, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 72, 96) }
```

Border

The CSS property to change the border of an element to XYZ 13.7888, 10.3046, 12.3286 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(131, 72, 96) }
```


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

```
.border{ border-color:rgb(131, 72, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 72, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 72, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 72, 96);  
box-shadow:4px 4px 4px 4px rgb(131, 72,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7888, 10.3046, 12.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 72, 96) }
```

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

```
.background{ background-color: rgb(131, 72,  
96) }
```

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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