

Converting Colors

XYZ(13.1728, 8.7998, 15.1916)

Have a look what the booklet for
XYZ(13.1728, 8.7998, 15.1916)
contains.

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Color

**XYZ(13.1728, 8.7998,
15.1916)**

Conversions

Conversions Part 1

Format	Color
Hex	803B6C
RGB	128, 59, 108
RGB Percent	50%, 23%, 42%
CMY	0.4980, 0.7686, 0.5765
CMYK	0.00, 0.54, 0.16, 0.50
HSL	317°, 37%, 37%
HSV	317°, 54%, 50%
XYZ	13.1728, 8.7998, 15.1916
YIQ	85.2170, 25.3950, 29.8670

Conversions

Conversions Part 2

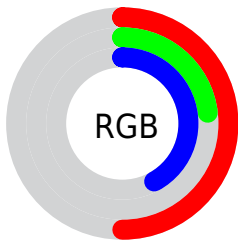
Format	Color
RYB	128, 59, 108
Decimal	8403820
CIELab	35.60, 36.36, -14.77
CIELCh	36, 39.242, 337.886
Yxy	8.7998, 0.3544, 0.2368
Android (android.graphics.Color)	4286593900 (0xFF803B6C)
YUV	85.2170, 11.2320, 37.5207
Hunter-Lab	29.6645, 27.3519, -9.5982

Details

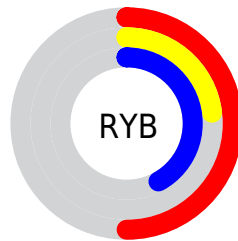
The XYZ color **13.1728, 8.7998, 15.1916** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.9345, 16.9329, 10.0899**, and the grayscale version is **8.6538, 9.1045, 9.9148**.

A 20% lighter version of the original color is **31.3422, 23.5426, 36.1500**, and **3.8612, 1.9930, 4.4561** is the 20% darker color. If you saturate the color by 10%, you get **12.4006, 7.5645, 13.9806**, and if you desaturate by 10%, it is **14.1154, 10.3620, 16.5010**.

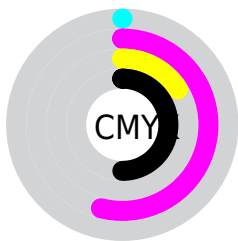
Distribution



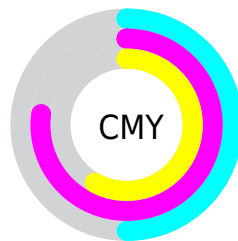
- Red (50%)
- Green (23%)
- Blue (42%)



- Red (50%)
- Yellow (23%)
- Blue (42%)



- Cyan (0%)
- Magenta (54%)
- Yellow (16%)
- Black (50%)




- Cyan (50%)
- Magenta (77%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1728, 8.7998, 15.1916 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 13.1728, 8.7998, 15.1916 by changing the saturation by 10% instead.


 13.1728, 8.7998,
15.1916

 13.1728, 8.7998,
15.1916

205.6375,
181.8773, 236.2036


 7.6255, 4.6108,
8.8059


 31.2126, 23.5121,
35.9360


 3.9060, 2.0208,
4.5197

 44.4357, 34.8042,
51.1317


 1.6491, 0.6195,
1.9146

 60.9481, 49.2328,
70.1012

 0.4241, 0.0000,
0.5020

 81.1152, 67.1823,
93.2630

 0.0000, 0.0000,
0.0000

 105.3024, 89.0372,
121.0355

 133.8749,

115.1817, 153.8375

167.1981,
146.0002, 192.0873

■ 13.1728, 8.7998,
15.1916

■ 13.1728, 8.7998,
15.1916

■ 12.4006, 7.5645,
13.9806

■ 14.1154, 10.3620,
16.5010

■ 11.7857, 6.6308,
12.8629

■ 15.2383, 12.2715,
17.9125

■ 11.3147, 5.9717,
11.8337

■ 16.5519, 14.5484,
19.4299

■ 10.9697, 5.5518,
10.8863

■ 18.0653, 17.2112,
21.0569

■ 10.7860, 5.3428,
10.3371

■ 19.7872, 20.2767,
22.7968

■ 21.7256, 23.7610,
24.6528

■ 23.8882, 27.6794,
26.6279

■ 26.2822, 32.0461,
28.7249

■ 28.9146, 36.8749,
30.9466

Harmonies

Analogous

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



11.3881, 8.7998, 23.4776



13.1728, 8.7998, 15.1916



13.5608, 8.7998, 7.9450

Triad

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



13.1728, 8.7998, 15.1916



7.7711, 8.7998, 1.7102



5.3336, 8.7998, 19.6679

Complementary

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



13.1728, 8.7998, 15.1916



10.9345, 16.9329, 10.0899

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.



4.7002, 8.7998, 11.4285



13.1728, 8.7998, 15.1916



5.9290, 8.7998, 2.6538

Square

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



13.1728, 8.7998, 15.1916



10.1439, 8.7998, 1.9811



4.8961, 8.7998, 5.5568



6.8054, 8.7998, 26.7835

Rectangle

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



13.1728, 8.7998, 15.1916



12.9194, 8.7998, 4.7904



4.8961, 8.7998, 5.5568



5.0292, 8.7998, 16.8198

Sweetspot

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



13.1731, 8.8002, 15.1918



31.1164, 29.0827, 36.3496



8.6478, 6.3299, 21.1882



7.1766, 6.6176, 8.3950



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.1731, 8.8002, 15.1918



21.5267, 12.8432, 24.0894



11.7007, 8.2113, 7.4385



4.4467, 4.3918, 5.1567



10.6957, 5.2980, 10.2531



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1731, 8.8002, 15.1918



21.5267, 12.8432, 24.0894



12.5066, 17.5618, 18.3684



4.4467, 4.3918, 5.1567



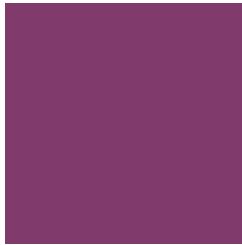
10.6957, 5.2980, 10.2531



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1728, 8.7998, 15.1916 looks on a white background.

Color Contrast Check

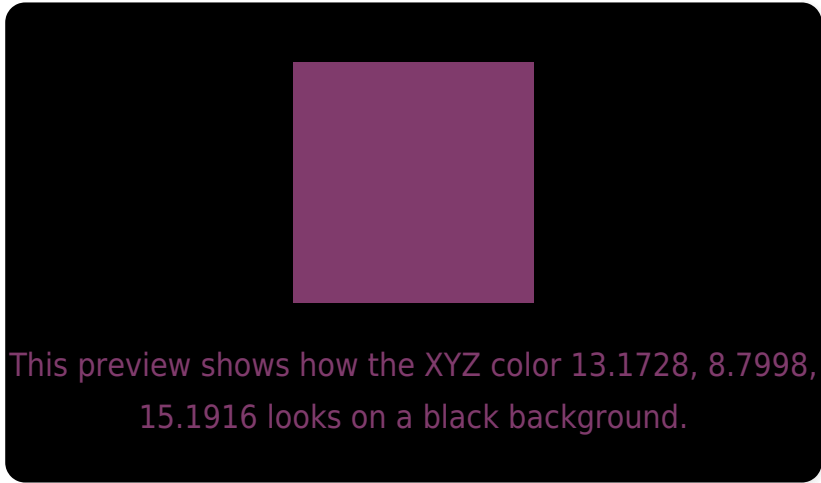
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1728, 8.7998, 15.1916

Background



This preview shows how black text looks on a background with the XYZ color 13.1728, 8.7998, 15.1916.



This preview shows how white text looks on a background with the XYZ color 13.1728, 8.7998,

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

13.1728, 8.7998, 15.1916

Protanopia

9.3849, 8.9950, 20.9802

Deuteranopia

9.1592, 9.0250, 14.3560



Tritanopia

11.4890, 8.7673, 7.2176

Trichromacy



Original Color

13.1728, 8.7998, 15.1916

Protanomaly

10.0929, 8.4536, 18.5525

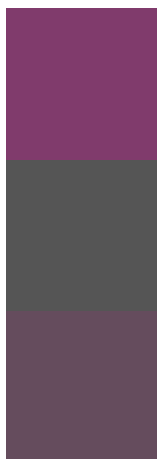
Deuteranomaly

10.1442, 8.5701, 14.4841

Tritanomaly

11.9305, 8.6826, 9.6414

Monochromacy



Original Color

13.1728, 8.7998, 15.1916

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.9271, 8.7259, 11.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1728, 8.7998, 15.1916 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(128, 59, 108)` looks like.

```
.text, #text, p{  
    color:rgb(128, 59, 108)  
}
```

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(128, 59, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 59, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.1728, 8.7998, 15.1916 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(128, 59, 108) }
```


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

```
.border{ border-color:rgb(128, 59, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 59, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 59, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 59, 108);  
box-shadow:4px 4px 4px 4px rgb(128, 59,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1728, 8.7998, 15.1916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 59, 108) }
```

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

```
.background{ background-color: rgb(128, 59,  
108) }
```

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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