

Converting Colors

XYZ(17.3603, 8.8169, 6.8033)

Have a look what the booklet for
XYZ(17.3603, 8.8169, 6.8033)
contains.

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Color

**XYZ(17.2858, 8.7798,
6.7448)**

Conversions

Conversions Part 1

Format	Color
Hex	A80047
RGB	168, 0, 71
RGB Percent	66%, 0%, 28%
CMY	0.3412, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.58, 0.34
HSL	335°, 100%, 33%
HSV	335°, 100%, 66%
XYZ	17.2858, 8.7798, 6.7448
YIQ	58.3260, 77.3370, 57.6970

Conversions

Conversions Part 2

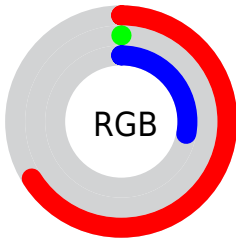
Format	Color
R_{YB}	168, 0, 71
Decimal	11010119
CIE Lab	35.56, 61.06, 9.76
CIE LCh	36, 61.830, 9.079
Yxy	8.7798, 0.5268, 0.2676
Android (android.graphics.Color)	4289200199 (0xFFA80047)
YUV	58.3260, 6.2483, 96.1841
Hunter-Lab	29.6307, 52.2785, 7.2454

Details

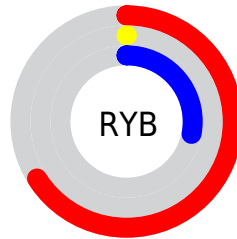
The XYZ color **17.2858, 8.7798, 6.7448** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.1619, 28.8689, 16.0365**, and the grayscale version is **4.0521, 4.2631, 4.6425**.

A 20% lighter version of the original color is **38.3673, 23.4387, 19.9547**, and **6.5163, 3.3351, 1.3989** is the 20% darker color. If you saturate the color by 10%, you get **17.2852, 8.7795, 6.7421**, and if you desaturate by 10%, it is **17.8202, 9.3100, 8.5838**.

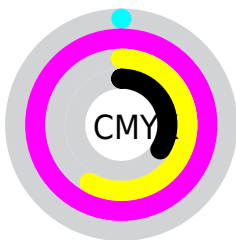
Distribution



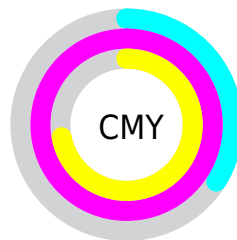
- Red (66%)
- Green (0%)
- Blue (28%)



- Red (66%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2858, 8.7798, 6.7448 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 17.2858, 8.7798, 6.7448 by changing the saturation by 10% instead.


 17.2858, 8.7798,
6.7448


 17.2858, 8.7798,
6.7448


229.9383,
181.7266, 175.0757


 10.5350, 4.5978,
3.2270


 38.3562, 23.4736,
19.9620


 5.8201, 2.0133,
1.2117

 53.4066, 34.7542,
30.4985


 2.7756, 0.6152,
0.0000

 71.9542, 49.1698,
44.2116

 1.0362, 0.0000,
0.0000

 94.3644, 67.1048,
61.5199

 0.0000, 0.0000,
0.0000

 121.0025, 88.9436,
82.8419

 152.2340,

115.0705, 108.5962

188.4241,
145.8701, 139.2013

■ 17.2858, 8.7798,
6.7448

■ 17.2858, 8.7798,
6.7448

■ 17.2852, 8.7795,
6.7421

■ 17.8202, 9.3100,
8.5838

■ 18.5725, 10.1928,
10.7516

■ 19.6127, 11.5649,
13.2817

■ 20.9730, 13.4878,
16.1946

■ 22.6812, 16.0139,
19.5087

■ 24.7617, 19.1893,
23.2408

■ 27.2368, 23.0556,
27.4067

■ 30.1266, 27.6510,
32.0212

■ 33.4503, 33.0108,
37.0984

Harmonies

Analogous

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



16.6884, 8.7798, 18.5985



17.2858, 8.7798, 6.7448



15.0039, 8.7798, 1.6925

Triad

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



17.2858, 8.7798, 6.7448



4.6791, 8.7798, 0.9304



6.0967, 8.7798, 42.9209

Complementary

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



17.2858, 8.7798, 6.7448



16.1619, 28.8689, 16.0365

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.



4.0216, 8.7798, 28.4548



17.2858, 8.7798, 6.7448



3.3831, 8.7798, 4.0593

Square

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



17.2858, 8.7798, 6.7448



7.2934, 8.7798, 0.0175



3.1835, 8.7798, 13.0656



9.4930, 8.7798, 45.8857

Rectangle

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



17.2858, 8.7798, 6.7448



12.4602, 8.7798, 0.5777



3.1835, 8.7798, 13.0656



5.2531, 8.7798, 38.9156

Sweetspot

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



17.2860, 8.7803, 6.7449



49.1508, 41.4053, 49.2833



11.8095, 5.2720, 37.4408



10.3025, 8.3807, 10.0604



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.2860, 8.7803, 6.7449



31.2645, 15.8909, 11.6964



16.2708, 8.5694, 0.7973



7.6577, 7.5929, 8.5147



13.0777, 6.6398, 5.2208



0.3439, 0.1718, 0.2626

Inverse Universe

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



17.2860, 8.7803, 6.7449



31.2645, 15.8909, 11.6964



19.0916, 26.8742, 41.2266



7.6577, 7.5929, 8.5147



13.0777, 6.6398, 5.2208



0.3439, 0.1718, 0.2626

Previews

White Background



This preview shows how the XYZ color 17.2858, 8.7798, 6.7448 looks on a white background.

Color Contrast Check

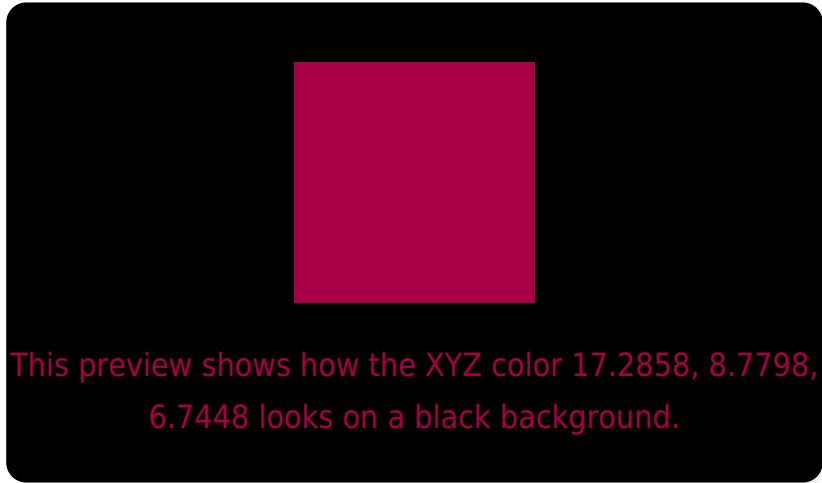
Large Text (above 18pt) WCAG AA ✓ Pass

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

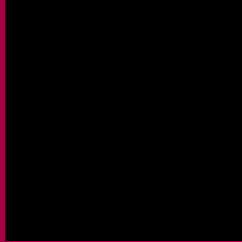
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.2858, 8.7798, 6.7448

Background



This preview shows how black text looks on a background with the XYZ color 17.2858, 8.7798, 6.7448.



This preview shows how white text looks on a background with the XYZ color 17.2858, 8.7798,

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

17.2858, 8.7798, 6.7448

Protanopia

9.3432, 9.4738, 14.1682

Deuteranopia

9.4982, 9.3815, 6.1607



Tritanopia

16.3390, 9.0166, 1.9161

Trichromacy



Original Color

17.2858, 8.7798, 6.7448

Protanomaly

10.1939, 7.0651, 10.7240

Deuteranomaly

10.8904, 7.3871, 6.1620

Tritanomaly

16.5887, 8.8225, 3.1141

Monochromacy



Original Color

17.2858, 8.7798, 6.7448

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5958, 4.2787, 5.1809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2858, 8.7798, 6.7448 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(168, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 71)  
}
```

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(168, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 17.2858, 8.7798, 6.7448 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(168, 0, 71) }
```


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

```
.border{ border-color:rgb(168, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2858, 8.7798, 6.7448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 71) }
```

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

```
.background{ background-color: rgb(168, 0,  
71) }
```

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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