

Converting Colors

XYZ(17.9177, 9.0399, 9.7387)

Have a look what the booklet for
XYZ(17.9177, 9.0399, 9.7387)
contains.

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Color

**XYZ(17.8687, 9.0130,
9.8147)**

Conversions

Conversions Part 1

Format	Color
Hex	A80057
RGB	168, 0, 87
RGB Percent	66%, 0%, 34%
CMY	0.3412, 0.9999, 0.6588
CMYK	0.00, 1.00, 0.48, 0.34
HSL	329°, 100%, 33%
HSV	329°, 100%, 66%
XYZ	17.8687, 9.0130, 9.8147
YIQ	60.1500, 72.2010, 62.6730

Conversions

Conversions Part 2

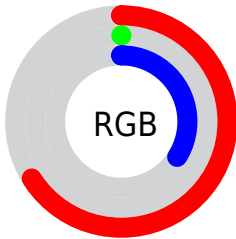
Format	Color
RYB	168, 0, 87
Decimal	11010135
CIELab	36.01, 62.25, -0.00
CIELCh	36, 62.254, 359.997
Yxy	9.0130, 0.4869, 0.2456
Android (android.graphics.Color)	4289200215 (0xFFA80057)
YUV	60.1500, 13.2370, 94.5844
Hunter-Lab	30.0217, 53.7042, 1.6320

Details

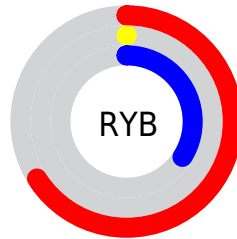
The XYZ color **17.8687, 9.0130, 9.8147** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **15.4892, 28.5997, 12.4943**, and the grayscale version is **4.2932, 4.5168, 4.9188**.

A 20% lighter version of the original color is **39.3062, 23.8921, 26.2069**, and **6.7246, 3.4184, 2.4959** is the 20% darker color. If you saturate the color by 10%, you get **17.8680, 9.0126, 9.8116**, and if you desaturate by 10%, it is **18.4163, 9.5485, 11.7231**.

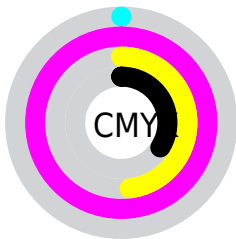
Distribution



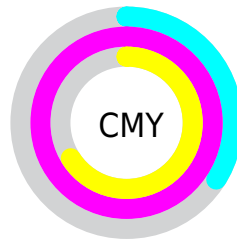
- Red (66%)
- Green (0%)
- Blue (34%)



- Red (66%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8687, 9.0130, 9.8147 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 17.8687, 9.0130, 9.8147 by changing the saturation by 10% instead.


 17.8687, 9.0130,
9.8147


 17.8687, 9.0130,
9.8147


233.1899,
183.4748, 199.7809


 10.9549, 4.7497,
5.1723


 39.3453, 23.9217,
26.0487


 6.1036, 2.1011,
2.2882


 54.6388, 35.3359,
38.4774


 2.9494, 0.6653,
0.7246

 73.4562, 49.9024,
54.3386

 1.1271, 0.0000,
0.0000

 96.1630, 68.0057,
74.0508

 0.0476, 0.0000,
0.0000

 123.1243, 90.0302,
98.0326

 0.0000, 0.0000,
0.0000

 154.7057,

116.3603, 126.7025

191.2724,
147.3804, 160.4791

■ 17.8687, 9.0130,
9.8147

■ 17.8687, 9.0130,
9.8147

■ 17.8680, 9.0126,
9.8116

■ 18.4163, 9.5485,
11.7231

■ 19.1682, 10.4311,
13.8885

■ 20.1934, 11.7973,
16.3397

■ 21.5233, 13.7081,
19.0923

■ 23.1848, 16.2156,
22.1603

■ 25.2016, 19.3655,
25.5565

■ 27.5951, 23.1993,
29.2929

■ 30.3849, 27.7548,
33.3805

■ 33.5894, 33.0669,
37.8298

Harmonies

Analogous

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



16.3525, 9.0130, 23.9929



17.8687, 9.0130, 9.8147



16.3531, 9.0130, 2.7314

Triad

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



17.8687, 9.0130, 9.8147



5.4710, 9.0130, 0.5712



5.4705, 9.0130, 40.2884

Complementary

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



17.8687, 9.0130, 9.8147



15.4892, 28.5997, 12.4943

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.



3.7531, 9.0130, 23.9895



17.8687, 9.0130, 9.8147



3.7533, 9.0130, 2.7306

Square

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



17.8687, 9.0130, 9.8147



8.5670, 9.0130, 0.0000



3.2282, 9.0130, 9.8125



8.5662, 9.0130, 47.7264

Rectangle

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



17.8687, 9.0130, 9.8147



14.0220, 9.0130, 1.0072



3.2282, 9.0130, 9.8125



4.7491, 9.0130, 35.2725

Sweetspot

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



17.8689, 9.0135, 9.8148



49.8099, 41.6689, 52.7544



10.2442, 4.4651, 37.3674



10.4599, 8.4437, 10.8891



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.



17.8689, 9.0135, 9.8148



32.3153, 16.3113, 17.2301



16.1795, 8.3377, 0.9182



7.6872, 7.6047, 8.6700



13.5194, 6.8165, 7.5466



0.3546, 0.1761, 0.3188

Inverse Universe

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



17.8689, 9.0135, 9.8148



32.3153, 16.3113, 17.2301



20.5601, 30.6281, 39.1975



7.6872, 7.6047, 8.6700



13.5194, 6.8165, 7.5466



0.3546, 0.1761, 0.3188

Previews

White Background



This preview shows how the XYZ color 17.8687, 9.0130, 9.8147 looks on a white background.

Color Contrast Check

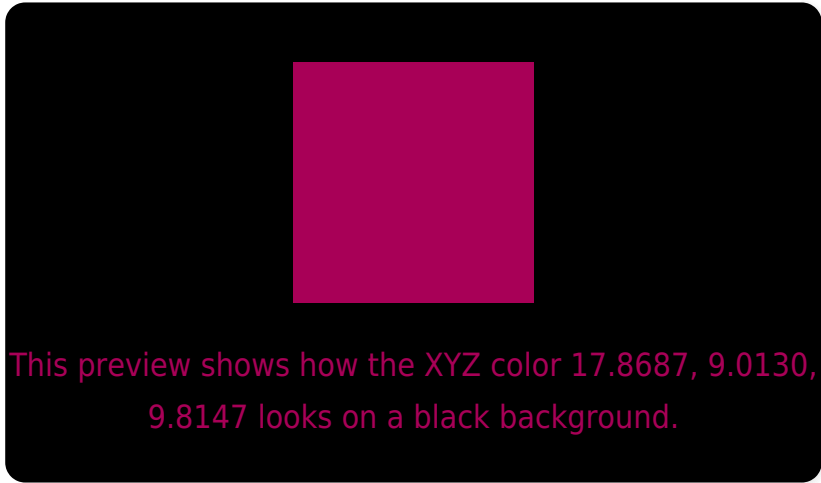
Large Text (above 18pt) WCAG AA ✓ Pass

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

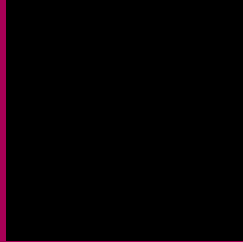
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8687, 9.0130, 9.8147

Background



This preview shows how black text looks on a background with the XYZ color 17.8687, 9.0130, 9.8147.



This preview shows how white text looks on a background with the XYZ color 17.8687, 9.0130,

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

17.8687, 9.0130, 9.8147

Protanopia

9.9953, 9.6578, 21.0760

Deuteranopia

9.7639, 9.5725, 8.9225



Tritanopia

16.4215, 9.3227, 2.5241

Trichromacy



Original Color

17.8687, 9.0130, 9.8147

Protanomaly

10.5975, 7.1534, 16.1514

Deuteranomaly

11.1466, 7.4558, 9.0352

Tritanomaly

16.6786, 8.9472, 4.3379

Monochromacy



Original Color

17.8687, 9.0130, 9.8147

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.9442, 4.4811, 6.2933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8687, 9.0130, 9.8147 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 17.8687, 9.0130, 9.8147 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, 87) }
```


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

```
.border{ border-color:rgb(168, 0, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8687, 9.0130, 9.8147 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, 87) }
```

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

```
.background{ background-color: rgb(168, 0,  
87) }
```

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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