

Converting Colors

XYZ(17.2199, 7.9986, 4.7735)

Have a look what the booklet for
XYZ(17.2199, 7.9986, 4.7735)
contains.

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Color

**XYZ(17.8027, 9.0864,
4.9532)**

Conversions

Conversions Part 1

Format	Color
Hex	AC003B
RGB	172, 0, 59
RGB Percent	67%, 0%, 23%
CMY	0.3255, 0.9999, 0.7686
CMYK	0.00, 1.00, 0.66, 0.33
HSL	339°, 100%, 34%
HSV	339°, 100%, 67%
XYZ	17.8027, 9.0864, 4.9532
YIQ	58.1540, 83.5730, 54.8130

Conversions

Conversions Part 2

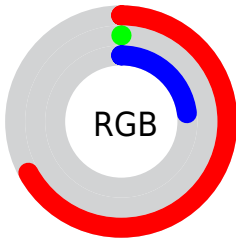
Format	Color
R_{YB}	172, 0, 59
Decimal	11272251
CIE Lab	36.15, 61.29, 18.52
CIE LCh	36, 64.030, 16.811
Yxy	9.0864, 0.5591, 0.2854
Android (android.graphics.Color)	4289462331 (0xFFAC003B)
YUV	58.1540, 0.4171, 99.8429
Hunter-Lab	30.1437, 52.6699, 11.3580

Details

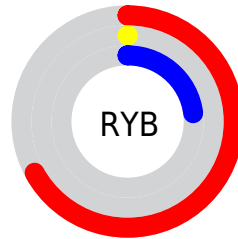
The XYZ color **17.8027, 9.0864, 4.9532** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.7349, 30.6980, 20.6210**, and the grayscale version is **4.0358, 4.2460, 4.6239**.

A 20% lighter version of the original color is **39.3292, 24.1250, 16.2194**, and **6.7913, 3.4884, 0.8877** is the 20% darker color. If you saturate the color by 10%, you get **17.8022, 9.0862, 4.9509**, and if you desaturate by 10%, it is **18.3322, 9.6246, 6.7359**.

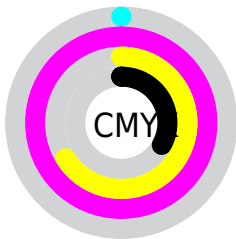
Distribution



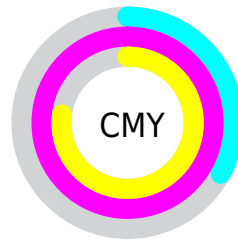
- Red (67%)
- Green (0%)
- Blue (23%)



- Red (67%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (33%)




- Cyan (33%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8027, 9.0864, 4.9532 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 17.8027, 9.0864, 4.9532 by changing the saturation by 10% instead.


 17.8027, 9.0864,
4.9532


 17.8027, 9.0864,
4.9532


232.8238,
184.0211, 158.2947


 10.9073, 4.7976,
2.1616


 39.2336, 24.0623,
16.1545


 6.0713, 2.1290,
0.6521


 54.4997, 35.5182,
25.4012

 2.9296, 0.6809,
0.0000

 73.2868, 50.1318,
37.6367

 1.1166, 0.0000,
0.0000

 95.9602, 68.2877,
53.2795

 0.0390, 0.0000,
0.0000

 122.8852, 90.3702,
72.7481

 0.0000, 0.0000,
0.0000

 154.4272,

116.7637, 96.4612

190.9516,
147.8525, 124.8372

■ 17.8027, 9.0864,
4.9532

■ 17.8027, 9.0864,
4.9532

■ 17.8022, 9.0862,
4.9509

■ 18.3322, 9.6246,
6.7359

■ 19.1054, 10.5424,
8.9317

■ 20.1962, 11.9820,
11.5822

■ 21.6399, 14.0092,
14.7153

■ 23.4669, 16.6799,
18.3562

■ 25.7044, 20.0435,
22.5279

■ 28.3766, 24.1445,
27.2520

■ 31.5060, 29.0236,
32.5488

■ 35.1135, 34.7186,
38.4374

Harmonies

Analogous

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



17.9989, 9.0864, 15.5422



17.8027, 9.0864, 4.9532



14.7362, 9.0864, 1.0996

Triad

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



17.8027, 9.0864, 4.9532



4.2956, 9.0864, 1.3327



7.0595, 9.0864, 48.0382

Complementary

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



17.8027, 9.0864, 4.9532



17.7349, 30.6980, 20.6210

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.



4.5060, 9.0864, 34.6901



17.8027, 9.0864, 4.9532



3.2594, 9.0864, 5.8121

Square

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



17.8027, 9.0864, 4.9532



6.6729, 9.0864, 0.0723



3.3228, 9.0864, 17.3519



10.9515, 9.0864, 47.0537

Rectangle

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



17.8027, 9.0864, 4.9532



11.8806, 9.0864, 0.2426



3.3228, 9.0864, 17.3519



6.0440, 9.0864, 44.8153

Sweetspot

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



17.8029, 9.0870, 4.9533



51.1902, 43.3544, 48.9388



14.1045, 6.4113, 39.5237



10.6786, 8.7342, 9.8554



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.8029, 9.0870, 4.9533



32.2025, 16.4464, 8.4896



17.3788, 9.5016, 0.9188



8.1144, 8.0590, 8.9131



13.2714, 6.7711, 3.8084



0.3953, 0.1988, 0.2435

Inverse Universe

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



17.8029, 9.0870, 4.9533



32.2025, 16.4464, 8.4896



17.7570, 23.5994, 42.6489



8.1144, 8.0590, 8.9131



13.2714, 6.7711, 3.8084



0.3953, 0.1988, 0.2435

Previews

White Background



This preview shows how the XYZ color 17.8027, 9.0864, 4.9532 looks on a white background.

Color Contrast Check

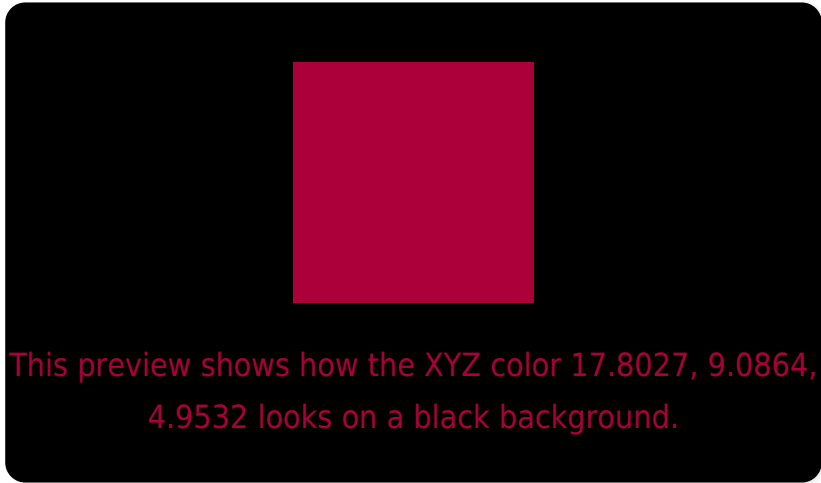
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8027, 9.0864, 4.9532

Background



This preview shows how black text looks on a background with the XYZ color 17.8027, 9.0864, 4.9532.



This preview shows how white text looks on a background with the XYZ color 17.8027, 9.0864,

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

17.8027, 9.0864, 4.9532

Protanopia

9.4265, 9.8412, 10.4195

Deuteranopia

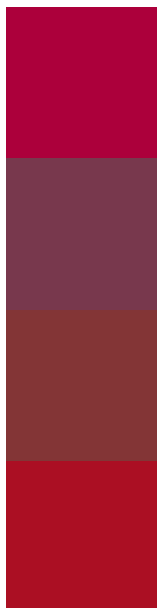
9.8313, 9.7055, 4.4871



Tritanopia

17.2566, 9.3653, 1.6076

Trichromacy



Original Color

17.8027, 9.0864, 4.9532

Protanomaly

10.4995, 7.3572, 7.8879

Deuteranomaly

11.2990, 7.6378, 4.3688

Tritanomaly

17.2688, 9.1209, 2.4405

Monochromacy



Original Color

17.8027, 9.0864, 4.9532

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5709, 4.2813, 4.4830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8027, 9.0864, 4.9532 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(172, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 59)  
}
```

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(172, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 59) }
```

Border

The CSS property to change the border of an element to XYZ 17.8027, 9.0864, 4.9532 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(172, 0, 59) }
```


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

```
.border{ border-color:rgb(172, 0, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 0, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(172, 0, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.8027, 9.0864, 4.9532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 0, 59) }
```

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

```
.background{ background-color: rgb(172, 0,  
59) }
```

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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