

Converting Colors

XYZ(17.6821, 9.0739, 2.7062)

Have a look what the booklet for
XYZ(17.6821, 9.0739, 2.7062)
contains.

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Color

**XYZ(17.5998, 9.0307,
2.7349)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0027
RGB	173, 0, 39
RGB Percent	68%, 0%, 15%
CMY	0.3216, 0.9999, 0.8471
CMYK	0.00, 1.00, 0.77, 0.32
HSL	346°, 100%, 34%
HSV	346°, 100%, 68%
XYZ	17.5998, 9.0307, 2.7349
YIQ	56.1730, 90.5890, 48.8050

Conversions

Conversions Part 2

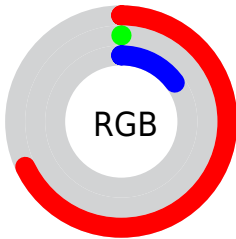
Format	Color
R_{YB}	173, 0, 39
Decimal	11337767
CIE _{Lab}	36.04, 60.66, 31.16
CIE _{LCh}	36, 68.197, 27.186
Yxy	9.0307, 0.5993, 0.3075
Android (android.graphics.Color)	4289527847 (0xFFAD0027)
YUV	56.1730, -8.4663, 102.4573
Hunter-Lab	30.0511, 51.9512, 15.6399

Details

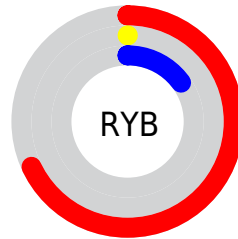
The XYZ color **17.5998, 9.0307, 2.7349** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **19.2488, 31.6092, 27.6510**, and the grayscale version is **3.7855, 3.9826, 4.3371**.

A 20% lighter version of the original color is **38.9167, 23.9217, 10.9537**, and **6.6821, 3.4447, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **17.5993, 9.0305, 2.7331**, and if you desaturate by 10%, it is **18.0680, 9.5469, 4.1869**.

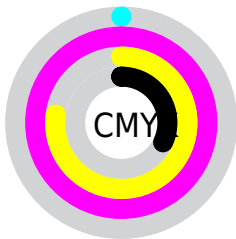
Distribution



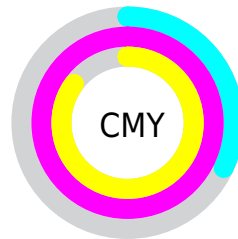
- Red (68%)
- Green (0%)
- Blue (15%)



- Red (68%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (32%)




- Cyan (32%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5998, 9.0307, 2.7349 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 17.5998, 9.0307, 2.7349 by changing the saturation by 10% instead.


 17.5998, 9.0307,
2.7349


 17.5998, 9.0307,
2.7349


231.6950,
183.6067, 132.9091


 10.7610, 4.7612,
0.9609


 38.8897, 23.9556,
10.9670


 5.9725, 2.1078,
0.0000


 54.0714, 35.3798,
18.2621


 2.8688, 0.6690,
0.0000

 72.7649, 49.9578,
28.2348

 1.0848, 0.0000,
0.0000

 95.3354, 68.0738,
41.3035


 0.0123, 0.0000,
0.0000


 122.1483, 90.1123,
57.8867

 0.0000, 0.0000,
0.0000


 153.5690,


116.4577, 78.4030


 189.9627,
147.4944, 103.2710


 17.5998, 9.0307,
2.7349


 17.5998, 9.0307,
2.7349


 17.5993, 9.0305,
2.7331

 18.0680, 9.5469,
4.1869

 18.8012, 10.4555,
6.1512

 19.8771, 11.9012,
8.6861

 21.3341, 13.9519,
11.8337

 23.2056, 16.6651,
15.6321

■ 25.5211, 20.0920,
20.1160

■ 28.3072, 24.2783,
25.3174

■ 31.5886, 29.2661,
31.2666

■ 35.3881, 35.0944,
37.9919

Harmonies

Analogous

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



19.0168, 9.0307, 10.9752



17.5998, 9.0307, 2.7349



13.5630, 9.0307, 0.3376

Triad

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



17.5998, 9.0307, 2.7349



3.5420, 9.0307, 2.0003



8.2048, 9.0307, 53.5254

Complementary

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



17.5998, 9.0307, 2.7349



19.2488, 31.6092, 27.6510

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.



5.0016, 9.0307, 43.2734



17.5998, 9.0307, 2.7349



2.8984, 9.0307, 8.7728

Square

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



17.5998, 9.0307, 2.7349



5.4806, 9.0307, 0.1035



3.3333, 9.0307, 24.0446



12.6798, 9.0307, 46.2971

Rectangle

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



17.5998, 9.0307, 2.7349



10.4393, 9.0307, 0.0000



3.3333, 9.0307, 24.0446



6.9616, 9.0307, 51.8980

Sweetspot

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



17.6000, 9.0313, 2.7350



50.4053, 43.0404, 44.8056



17.1591, 7.9750, 40.1699



10.4943, 8.6605, 8.8852



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.



17.6000, 9.0313, 2.7350



31.4525, 16.1464, 4.5401



18.2166, 10.8503, 1.1350



8.0764, 8.0438, 8.7131



12.9479, 6.6417, 2.1052



0.3805, 0.1929, 0.1657

Inverse Universe

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



17.6000, 9.0313, 2.7350



31.4525, 16.1464, 4.5401



15.1162, 18.1634, 42.2442



8.0764, 8.0438, 8.7131



12.9479, 6.6417, 2.1052



0.3805, 0.1929, 0.1657

Previews

White Background



This preview shows how the XYZ color 17.5998, 9.0307, 2.7349 looks on a white background.

Color Contrast Check

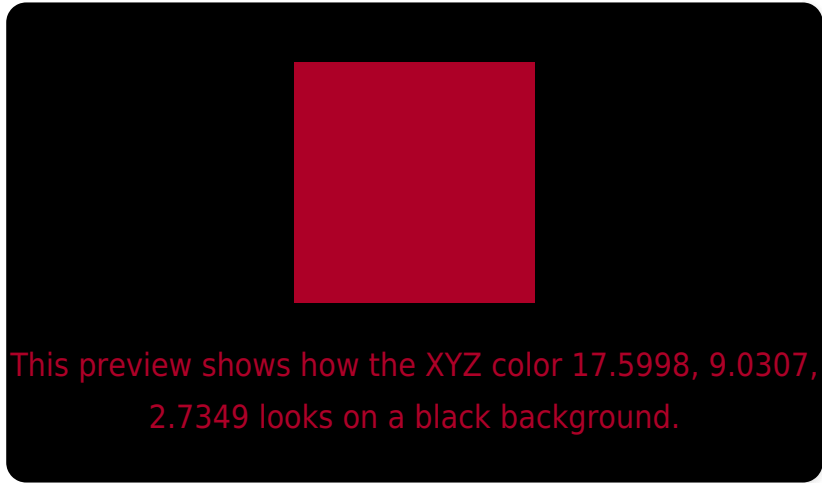
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5998, 9.0307, 2.7349

Background



This preview shows how black text looks on a background with the XYZ color 17.5998, 9.0307, 2.7349.



This preview shows how white text looks on a background with the XYZ color 17.5998, 9.0307,

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

17.5998, 9.0307, 2.7349

Protanopia

8.9985, 9.7281, 5.5411

Deuteranopia

9.7333, 9.5854, 2.4358



Tritanopia

17.4627, 9.2724, 1.0991

Trichromacy



Original Color

17.5998, 9.0307, 2.7349

Protanomaly

10.2024, 7.2872, 4.1177

Deuteranomaly

11.2067, 7.6370, 2.2499

Tritanomaly

17.4597, 9.1483, 1.4617

Monochromacy



Original Color

17.5998, 9.0307, 2.7349

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.3522, 4.1447, 3.4828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5998, 9.0307, 2.7349 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(173, 0, 39)` looks like.

```
.text, #text, p{  
  color:rgb(173, 0, 39)  
}
```

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(173, 0, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 39) }
```

Border

The CSS property to change the border of an element to XYZ 17.5998, 9.0307, 2.7349 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(173, 0, 39) }
```


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

```
.border{ border-color:rgb(173, 0, 39) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 39)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5998, 9.0307, 2.7349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 39) }
```

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

```
.background{ background-color: rgb(173, 0,  
39) }
```

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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