

Converting Colors

XYZ(17.2310, 8.7936, 4.8394)

Have a look what the booklet for
XYZ(17.2310, 8.7936, 4.8394)
contains.

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Color

**XYZ(17.1259, 8.7405,
4.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	A9003A
RGB	169, 0, 58
RGB Percent	66%, 0%, 23%
CMY	0.3373, 0.9999, 0.7725
CMYK	0.00, 1.00, 0.66, 0.34
HSL	339°, 100%, 33%
HSV	339°, 100%, 66%
XYZ	17.1259, 8.7405, 4.7874
YIQ	57.1430, 82.1060, 53.8660

Conversions

Conversions Part 2

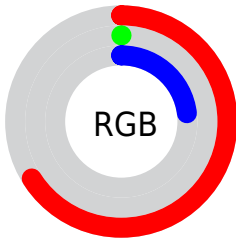
Format	Color
R_{YB}	169, 0, 58
Decimal	11075642
CIE _{Lab}	35.48, 60.51, 18.17
CIE _{LCh}	35, 63.180, 16.712
Yxy	8.7405, 0.5587, 0.2851
Android (android.graphics.Color)	4289265722 (0xFFA9003A)
YUV	57.1430, 0.4225, 98.0986
Hunter-Lab	29.5643, 51.6631, 11.0941

Details

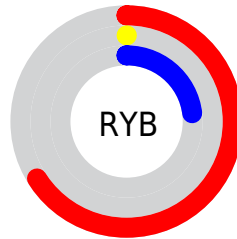
The XYZ color **17.1259, 8.7405, 4.7874** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.0589, 29.5242, 19.8463**, and the grayscale version is **3.9016, 4.1048, 4.4701**.

A 20% lighter version of the original color is **38.2292, 23.4576, 15.8775**, and **6.4079, 3.2917, 0.8279** is the 20% darker color. If you saturate the color by 10%, you get **17.1254, 8.7403, 4.7850**, and if you desaturate by 10%, it is **17.6388, 9.2645, 6.5054**.

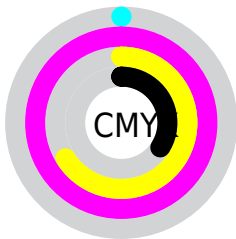
Distribution



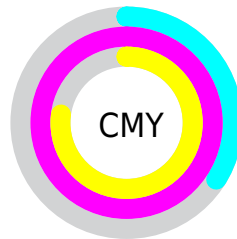
- Red (66%)
- Green (0%)
- Blue (23%)



- Red (66%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.1259, 8.7405, 4.7874 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 17.1259, 8.7405, 4.7874 by changing the saturation by 10% instead.


 17.1259, 8.7405,
4.7874


 17.1259, 8.7405,
4.7874


229.0390,
181.4301, 156.6120


 10.4202, 4.5723,
2.0665


 38.0840, 23.3978,
15.7885


 5.7428, 1.9986,
0.5957

 53.0671, 34.6558,
24.9058


 2.7285, 0.6066,
0.0000

 71.5399, 49.0458,
36.9923

 1.0119, 0.0000,
0.0000

 93.8680, 66.9522,
52.4666

 0.0000, 0.0000,
0.0000

 120.4165, 88.7594,
71.7471

 151.5510,

114.8519, 95.2525

187.6367,
145.6140, 123.4013

17.1259, 8.7405,
4.7874

17.1259, 8.7405,
4.7874

17.1254, 8.7403,
4.7850

17.6388, 9.2645,
6.5054

18.3847, 10.1514,
8.6193

19.4355, 11.5394,
11.1697

20.8252, 13.4916,
14.1830

22.5828, 16.0615,
17.6833

■ 24.7341, 19.2962,
21.6927

■ 27.3026, 23.2383,
26.2319

■ 30.3096, 27.9270,
31.3202

■ 33.7752, 33.3983,
36.9761

Harmonies

Analogous

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



17.3043, 8.7405, 14.9939



17.1259, 8.7405, 4.7874



14.1849, 8.7405, 1.0647

Triad

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



17.1259, 8.7405, 4.7874



4.1388, 8.7405, 1.2768



6.7810, 8.7405, 46.1618

Complementary

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



17.1259, 8.7405, 4.7874



17.0589, 29.5242, 19.8463

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.



4.3301, 8.7405, 33.2994



17.1259, 8.7405, 4.7874



3.1384, 8.7405, 5.5684

Square

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



17.1259, 8.7405, 4.7874



6.4295, 8.7405, 0.0462



3.1961, 8.7405, 16.6390



10.5198, 8.7405, 45.2670

Rectangle

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



17.1259, 8.7405, 4.7874



11.4407, 8.7405, 0.2195



3.1961, 8.7405, 16.6390



5.8061, 8.7405, 43.0493

Sweetspot

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



17.1261, 8.7410, 4.7875



48.6232, 41.1943, 46.5054



13.5746, 6.1711, 38.0116



10.1774, 8.3307, 9.4015



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.



17.1261, 8.7410, 4.7875



30.5820, 15.6179, 8.1024



16.7179, 9.1463, 0.8851



7.6334, 7.5832, 8.3866



12.7866, 6.5233, 3.6876



0.3350, 0.1683, 0.2158

Inverse Universe

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



17.1261, 8.7410, 4.7875



30.5820, 15.6179, 8.1024



17.0826, 22.7065, 41.0183



7.6334, 7.5832, 8.3866



12.7866, 6.5233, 3.6876



0.3350, 0.1683, 0.2158

Previews

White Background



This preview shows how the XYZ color 17.1259, 8.7405, 4.7874 looks on a white background.

Color Contrast Check

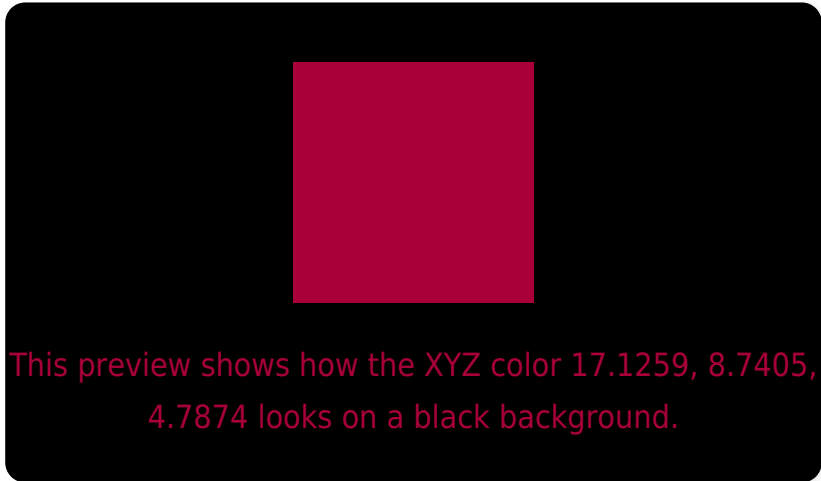
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1259, 8.7405, 4.7874

Background



This preview shows how black text looks on a background with the XYZ color 17.1259, 8.7405, 4.7874.



This preview shows how white text looks on a background with the XYZ color 17.1259, 8.7405,

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

17.1259, 8.7405, 4.7874

Protanopia

8.9920, 9.3862, 9.9321

Deuteranopia

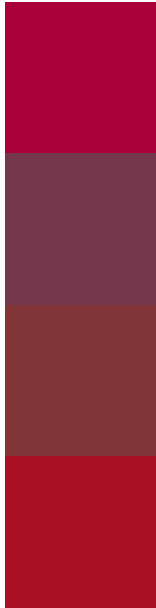
9.4187, 9.2681, 4.3101



Tritanopia

16.5902, 8.9918, 1.5706

Trichromacy



Original Color

17.1259, 8.7405, 4.7874

Protanomaly

9.9723, 7.0223, 7.4864

Deuteranomaly

10.7727, 7.3022, 4.2098

Tritanomaly

16.6080, 8.7820, 2.3331

Monochromacy



Original Color

17.1259, 8.7405, 4.7874

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.4064, 4.1538, 4.3350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1259, 8.7405, 4.7874 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(169, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(169, 0, 58)  
}
```

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(169, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 0, 58) }
```

Border

The CSS property to change the border of an element to XYZ 17.1259, 8.7405, 4.7874 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(169, 0, 58) }
```


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

```
.border{ border-color:rgb(169, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(169, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1259, 8.7405, 4.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 0, 58) }
```

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

```
.background{ background-color: rgb(169, 0,  
58) }
```

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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