

Converting Colors

XYZ(17.4948, 8.9742, 2.8379)

Have a look what the booklet for
XYZ(17.4948, 8.9742, 2.8379)
contains.

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Color

**XYZ(17.3963, 8.9239,
2.8131)**

Conversions

Conversions Part 1

Format	Color
Hex	AC0028
RGB	172, 0, 40
RGB Percent	67%, 0%, 16%
CMY	0.3255, 0.9999, 0.8431
CMYK	0.00, 1.00, 0.77, 0.33
HSL	346°, 100%, 34%
HSV	346°, 100%, 67%
XYZ	17.3963, 8.9239, 2.8131
YIQ	55.9880, 89.6720, 48.9040

Conversions

Conversions Part 2

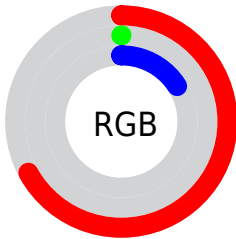
Format	Color
RYB	172, 0, 40
Decimal	11272232
CIELab	35.84, 60.45, 30.25
CIELCh	36, 67.595, 26.584
Yxy	8.9239, 0.5971, 0.3063
Android (android.graphics.Color)	4289462312 (0xFFAC0028)
YUV	55.9880, -7.8821, 101.7425
Hunter-Lab	29.8729, 51.6708, 15.3277

Details

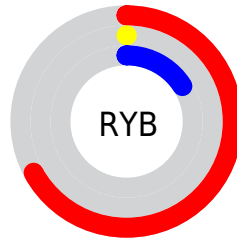
The XYZ color **17.3963, 8.9239, 2.8131** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **18.9197, 31.1718, 26.8599**, and the grayscale version is **3.7612, 3.9570, 4.3092**.

A 20% lighter version of the original color is **38.6250, 23.7668, 11.1460**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.3958, 8.9237, 2.8110**, and if you desaturate by 10%, it is **17.8645, 9.4376, 4.2727**.

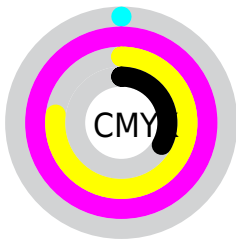
Distribution



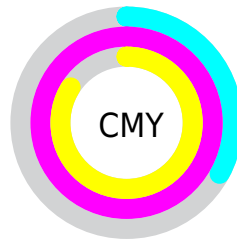
- Red (67%)
- Green (0%)
- Blue (16%)



- Red (67%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (33%)




- Cyan (33%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.3963, 8.9239, 2.8131 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 17.3963, 8.9239, 2.8131 by changing the saturation by 10% instead.


 17.3963, 8.9239,
2.8131


 17.3963, 8.9239,
2.8131


230.5579,
182.8092, 133.9434


 10.6145, 4.6916,
1.0000


 38.5441, 23.7507,
11.1637

 5.8736, 2.0675,
0.0000

 53.6408, 35.1140,
18.5382


 2.8083, 0.6462,
0.0000

 72.2399, 49.6231,
28.6037

 1.0532, 0.0000,
0.0000


 94.7067, 67.6624,
41.7786

 0.0000, 0.0000,
0.0000

 121.4065, 89.6163,
58.4815


 152.7047,

115.8691, 79.1309


 188.9667,
146.8052, 104.1453


 17.3963, 8.9239,
2.8131


 17.3963, 8.9239,
2.8131


 17.3958, 8.9237,
2.8110

 17.8645, 9.4376,
4.2727

 18.5929, 10.3376,
6.2325

 19.6582, 11.7671,
8.7487

 21.0982, 13.7929,
11.8620

 22.9455, 16.4718,
15.6089

■ 25.2290, 19.8540,
20.0227

■ 27.9749, 23.9846,
25.1344

■ 31.2073, 28.9050,
30.9732

■ 34.9487, 34.6537,
37.5662

Harmonies

Analogous

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



18.7202, 8.9239, 11.0902



17.3963, 8.9239, 2.8131



13.4667, 8.9239, 0.3753

Triad

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



17.3963, 8.9239, 2.8131



3.5424, 8.9239, 1.9303



8.0315, 8.9239, 52.5193

Complementary

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



17.3963, 8.9239, 2.8131



18.9197, 31.1718, 26.8599

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.



4.9097, 8.9239, 42.1800



17.3963, 8.9239, 2.8131



2.8846, 8.9239, 8.4614

Square

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



17.3963, 8.9239, 2.8131



5.4823, 8.9239, 0.0937



3.2923, 8.9239, 23.2986



12.4143, 8.9239, 45.7727

Rectangle

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



17.3963, 8.9239, 2.8131



10.3962, 8.9239, 0.0000



3.2923, 8.9239, 23.2986



6.8183, 8.9239, 50.8061

Sweetspot

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



17.3965, 8.9245, 2.8132



50.4515, 43.0589, 45.0489



16.9426, 7.8745, 39.6565



10.5051, 8.6649, 8.9420



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.



17.3965, 8.9245, 2.8132



31.4880, 16.1606, 4.7270



17.9860, 10.7160, 1.1213



8.0787, 8.0447, 8.7252



12.9636, 6.6480, 2.1876



0.3814, 0.1933, 0.1704

Inverse Universe

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



17.3965, 8.9245, 2.8132



31.4880, 16.1606, 4.7270



14.9256, 17.9366, 41.7049



8.0787, 8.0447, 8.7252



12.9636, 6.6480, 2.1876



0.3814, 0.1933, 0.1704

Previews

White Background



This preview shows how the XYZ color 17.3963, 8.9239, 2.8131 looks on a white background.

Color Contrast Check

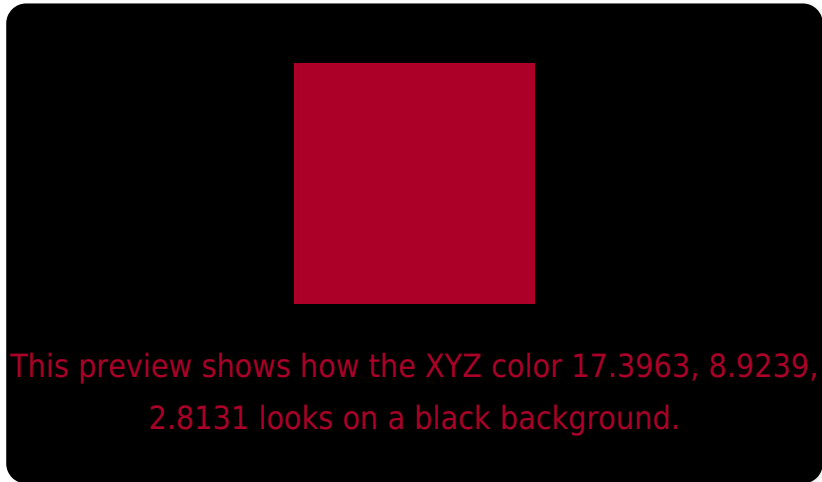
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3963, 8.9239, 2.8131

Background



This preview shows how black text looks on a background with the XYZ color 17.3963, 8.9239, 2.8131.



This preview shows how white text looks on a background with the XYZ color 17.3963, 8.9239,

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

17.3963, 8.9239, 2.8131

Protanopia

8.8666, 9.5330, 5.7876

Deuteranopia

9.6217, 9.5264, 2.4941



Tritanopia

17.2630, 9.1913, 1.1227

Trichromacy



Original Color

17.3963, 8.9239, 2.8131

Protanomaly

10.0348, 7.1270, 4.2149

Deuteranomaly

11.0633, 7.5615, 2.3153

Tritanomaly

17.2592, 9.0605, 1.5010

Monochromacy



Original Color

17.3963, 8.9239, 2.8131

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.2436, 4.0887, 3.4777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3963, 8.9239, 2.8131 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(172, 0, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 40) }
```

Border

The CSS property to change the border of an element to XYZ 17.3963, 8.9239, 2.8131 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, 40) }
```


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

```
.border{ border-color:rgb(172, 0, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(172, 0, 40)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.3963, 8.9239, 2.8131 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, 40) }
```

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

```
.background{ background-color: rgb(172, 0,  
40) }
```

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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