

Converting Colors

XYZ(17.7228, 9.0902, 2.9204)

Have a look what the booklet for
XYZ(17.7228, 9.0902, 2.9204)
contains.

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Color

**XYZ(17.6338, 9.0443,
2.9141)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0029
RGB	173, 0, 41
RGB Percent	68%, 0%, 16%
CMY	0.3216, 0.9999, 0.8392
CMYK	0.00, 1.00, 0.76, 0.32
HSL	346°, 100%, 34%
HSV	346°, 100%, 68%
XYZ	17.6338, 9.0443, 2.9141
YIQ	56.4010, 89.9470, 49.4270

Conversions

Conversions Part 2

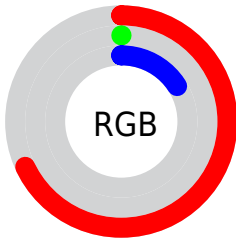
Format	Color
RYB	173, 0, 41
Decimal	11337769
CIELab	36.07, 60.73, 29.95
CIElCh	36, 67.717, 26.250
Yxy	9.0443, 0.5959, 0.3056
Android (android.graphics.Color)	4289527849 (0xFFAD0029)
YUV	56.4010, -7.5927, 102.2573
Hunter-Lab	30.0737, 52.0348, 15.3065

Details

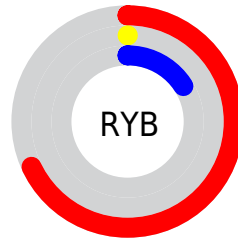
The XYZ color **17.6338, 9.0443, 2.9141** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **19.1106, 31.5538, 26.9229**, and the grayscale version is **3.8140, 4.0126, 4.3698**.

A 20% lighter version of the original color is **39.0678, 24.0967, 11.3961**, and **6.6821, 3.4447, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **17.6333, 9.0441, 2.9122**, and if you desaturate by 10%, it is **18.1096, 9.5636, 4.4064**.

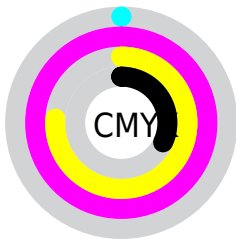
Distribution



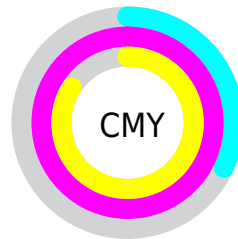
- Red (68%)
- Green (0%)
- Blue (16%)



- Red (68%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6338, 9.0443, 2.9141 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 17.6338, 9.0443, 2.9141 by changing the saturation by 10% instead.


 17.6338, 9.0443,
2.9141


 17.6338, 9.0443,
2.9141


231.8845,
183.7080, 135.2589


 10.7855, 4.7701,
1.0509


 38.9473, 23.9817,
11.4157


 5.9890, 2.1130,
0.0000


 54.1433, 35.4136,
18.8913


 2.8790, 0.6719,
0.0000

 72.8524, 50.0003,
29.0747

 1.0901, 0.0000,
0.0000

 95.4402, 68.1261,
42.3846

 0.0168, 0.0000,
0.0000

 122.2720, 90.1753,
59.2394

 0.0000, 0.0000,
0.0000

 153.7130,

116.5325, 80.0577

190.1287,
147.5819, 105.2580

17.6338, 9.0443,
2.9141

17.6338, 9.0443,
2.9141

17.6333, 9.0441,
2.9122

18.1096, 9.5636,
4.4064

18.8489, 10.4746,
6.4023

19.9287, 11.9219,
8.9582

21.3874, 13.9732,
12.1145

23.2579, 16.6861,
15.9077

■ 25.5695, 20.1113,
20.3712

■ 28.3487, 24.2949,
25.5360

■ 31.6198, 29.2786,
31.4310

■ 35.4055, 35.1014,
38.0837

Harmonies

Analogous

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



18.9330, 9.0443, 11.3783



17.6338, 9.0443, 2.9141



13.6844, 9.0443, 0.4114

Triad

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



17.6338, 9.0443, 2.9141



3.6139, 9.0443, 1.9307



8.0974, 9.0443, 53.0211

Complementary

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



17.6338, 9.0443, 2.9141



19.1106, 31.5538, 26.9229

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.



4.9575, 9.0443, 42.4269



17.6338, 9.0443, 2.9141



2.9350, 9.0443, 8.4609

Square

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



17.6338, 9.0443, 2.9141



5.5937, 9.0443, 0.1017



3.3358, 9.0443, 23.3577



12.5175, 9.0443, 46.4042

Rectangle

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



17.6338, 9.0443, 2.9141



10.5816, 9.0443, 0.0000



3.3358, 9.0443, 23.3577



6.8763, 9.0443, 51.2265

Sweetspot

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



17.6340, 9.0449, 2.9142



50.4805, 43.0704, 45.2013



16.7117, 7.7443, 40.1489



10.5119, 8.6676, 8.9776



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.



17.6340, 9.0449, 2.9142



31.5107, 16.1697, 4.8470



18.1074, 10.6317, 1.0986



8.0801, 8.0453, 8.7327



12.9736, 6.6520, 2.2403



0.3820, 0.1935, 0.1733

Inverse Universe

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



17.6340, 9.0449, 2.9142



31.5107, 16.1697, 4.8470



15.4934, 18.9179, 42.3698



8.0801, 8.0453, 8.7327



12.9736, 6.6520, 2.2403



0.3820, 0.1935, 0.1733

Previews

White Background



This preview shows how the XYZ color 17.6338, 9.0443, 2.9141 looks on a white background.

Color Contrast Check

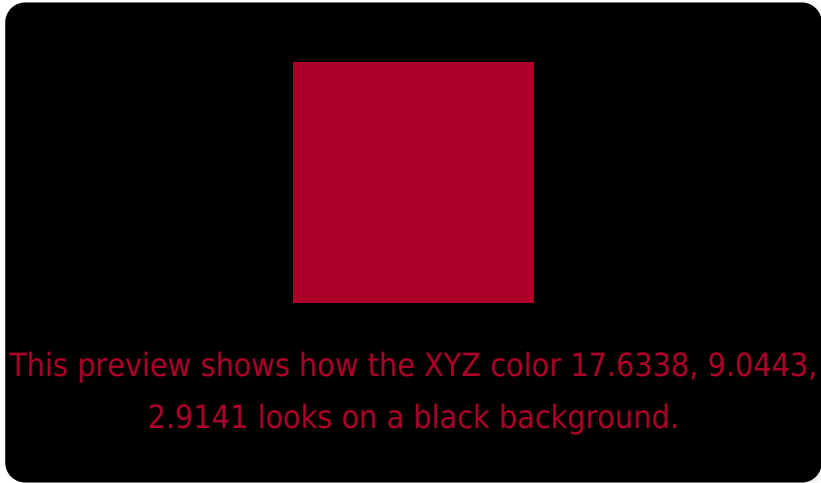
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6338, 9.0443, 2.9141

Background



This preview shows how black text looks on a background with the XYZ color 17.6338, 9.0443, 2.9141.



This preview shows how white text looks on a background with the XYZ color 17.6338, 9.0443,

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

17.6338, 9.0443, 2.9141

Protanopia

9.0785, 9.7601, 5.9628

Deuteranopia

9.7710, 9.6004, 2.6344



Tritanopia

17.2685, 9.1935, 1.1515

Trichromacy



Original Color

17.6338, 9.0443, 2.9141

Protanomaly

10.2484, 7.3056, 4.3600

Deuteranomaly

11.2493, 7.6541, 2.4746

Tritanomaly

17.2683, 9.0641, 1.5489

Monochromacy



Original Color

17.6338, 9.0443, 2.9141

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.3740, 4.1534, 3.5977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6338, 9.0443, 2.9141 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 41) }
```

Border

The CSS property to change the border of an element to XYZ 17.6338, 9.0443, 2.9141 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, 41) }
```


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

```
.border{ border-color:rgb(173, 0, 41) }
```

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, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6338, 9.0443, 2.9141 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, 41) }
```

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

```
.background{ background-color: rgb(173, 0,  
41) }
```

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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