

Converting Colors

XYZ(17.0253, 8.1799, 2.7781)

Have a look what the booklet for
XYZ(17.0253, 8.1799, 2.7781)
contains.

XYZ(17.4135, 8.9308, 2.9038)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.4135, 8.9308,
2.9038)**

Conversions

Conversions Part 1

Format	Color
Hex	AC0029
RGB	172, 0, 41
RGB Percent	67%, 0%, 16%
CMY	0.3255, 0.9999, 0.8392
CMYK	0.00, 1.00, 0.76, 0.33
HSL	346°, 100%, 34%
HSV	346°, 100%, 67%
XYZ	17.4135, 8.9308, 2.9038
YIQ	56.1020, 89.3510, 49.2150

Conversions

Conversions Part 2

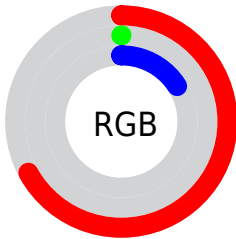
Format	Color
R_{YB}	172, 0, 41
Decimal	11272233
CIE _{Lab}	35.85, 60.48, 29.64
CIE _{LCh}	36, 67.358, 26.110
Yxy	8.9308, 0.5954, 0.3053
Android (android.graphics.Color)	4289462313 (0xFFAC0029)
YUV	56.1020, -7.4453, 101.6425
Hunter-Lab	29.8844, 51.7132, 15.1580

Details

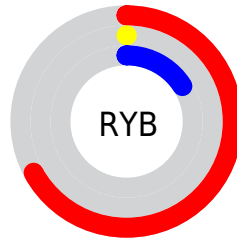
The XYZ color **17.4135, 8.9308, 2.9038** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **18.8517, 31.1446, 26.5018**, and the grayscale version is **3.7754, 3.9721, 4.3256**.

A 20% lighter version of the original color is **38.6651, 23.7828, 11.3568**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.4129, 8.9305, 2.9016**, and if you desaturate by 10%, it is **17.8854, 9.4460, 4.3832**.

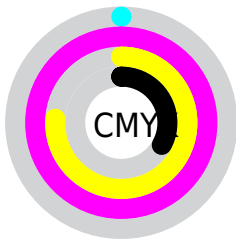
Distribution



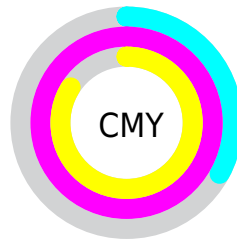
- Red (67%)
- Green (0%)
- Blue (16%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4135, 8.9308, 2.9038 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 17.4135, 8.9308, 2.9038 by changing the saturation by 10% instead.

■ 17.4135, 8.9308,
2.9038

■ 17.4135, 8.9308,
2.9038

230.6542,
182.8608, 135.1258

■ 10.6269, 4.6961,
1.0457

■ 38.5733, 23.7640,
11.3901

■ 5.8820, 2.0701,
0.0000

■ 53.6773, 35.1312,
18.8554

■ 2.8134, 0.6477,
0.0000

■ 72.2843, 49.6448,
29.0269

■ 1.0559, 0.0000,
0.0000


■ 94.7599, 67.6890,
42.3231


■ 0.0000, 0.0000,
0.0000


■ 121.4693, 89.6484,
59.1626


■ 152.7779,


115.9072, 79.9638


 189.0511,
146.8499, 105.1454


 17.4135, 8.9308,
2.9038


 17.4135, 8.9308,
2.9038


 17.4129, 8.9305,
2.9016

 17.8854, 9.4460,
4.3832

 18.6168, 10.3472,
6.3584

 19.6841, 11.7775,
8.8848

 21.1249, 13.8037,
12.0022

 22.9716, 16.4825,
15.7463

■ 25.2532, 19.8639,
20.1499

■ 27.9956, 23.9931,
25.2433

■ 31.2230, 28.9116,
31.0551

■ 34.9575, 34.6576,
37.6121

Harmonies

Analogous

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



18.6789, 8.9308, 11.2928



17.4135, 8.9308, 2.9038



13.5275, 8.9308, 0.4123

Triad

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



17.4135, 8.9308, 2.9038



3.5784, 8.9308, 1.8960



7.9784, 8.9308, 52.2699

Complementary

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



17.4135, 8.9308, 2.9038



18.8517, 31.1446, 26.5018

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.



4.8878, 8.9308, 41.7617



17.4135, 8.9308, 2.9038



2.9029, 8.9308, 8.3079

Square

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



17.4135, 8.9308, 2.9038



5.5390, 8.9308, 0.0928



3.2936, 8.9308, 22.9598



12.3340, 8.9308, 45.8268

Rectangle

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



17.4135, 8.9308, 2.9038



10.4674, 8.9308, 0.0000



3.2936, 8.9308, 22.9598



6.7761, 8.9308, 50.4739

Sweetspot

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



17.4137, 8.9314, 2.9039



50.4893, 43.0740, 45.2479



16.5011, 7.6469, 39.6357



10.5139, 8.6684, 8.9885



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.



17.4137, 8.9314, 2.9039



31.5178, 16.1726, 4.8842



17.8780, 10.5001, 1.0854



8.0805, 8.0455, 8.7350



12.9767, 6.6532, 2.2567



0.3822, 0.1936, 0.1742

Inverse Universe

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



17.4137, 8.9314, 2.9039



31.5178, 16.1726, 4.8842



15.2980, 18.6812, 41.8290



8.0805, 8.0455, 8.7350



12.9767, 6.6532, 2.2567



0.3822, 0.1936, 0.1742

Previews

White Background



This preview shows how the XYZ color 17.4135, 8.9308, 2.9038 looks on a white background.

Color Contrast Check

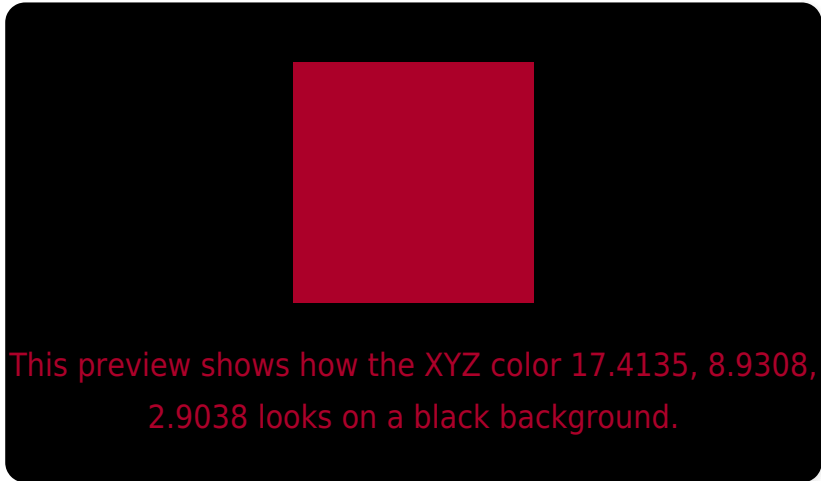
Large Text (above 18pt) WCAG AA ✓ Pass

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

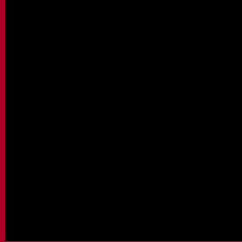
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4135, 8.9308, 2.9038

Background



This preview shows how black text looks on a background with the XYZ color 17.4135, 8.9308, 2.9038.



This preview shows how white text looks on a background with the XYZ color 17.4135, 8.9308,

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

17.4135, 8.9308, 2.9038

Protanopia

8.8938, 9.5439, 5.9308

Deuteranopia

9.6473, 9.5367, 2.6286



Tritanopia

17.0498, 9.0807, 1.1413

Trichromacy



Original Color

17.4135, 8.9308, 2.9038

Protanomaly

10.0581, 7.1363, 4.3374

Deuteranomaly

11.0922, 7.5731, 2.4672

Tritanomaly

17.0496, 8.9514, 1.5386

Monochromacy



Original Color

17.4135, 8.9308, 2.9038

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.2654, 4.0974, 3.5926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4135, 8.9308, 2.9038 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 0, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 0, 41) }
```

Border

The CSS property to change the border of an element to XYZ 17.4135, 8.9308, 2.9038 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, 41) }
```


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

```
.border{ border-color:rgb(172, 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(172, 0, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(172, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4135, 8.9308, 2.9038 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, 41) }
```

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

```
.background{ background-color: rgb(172, 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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