

Converting Colors

XYZ(17.4004, 9.7950, 2.5035)

Have a look what the booklet for
XYZ(17.4004, 9.7950, 2.5035)
contains.

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Color

**XYZ(17.4383, 9.8056,
2.4869)**

Conversions

Conversions Part 1

Format	Color
Hex	AA2222
RGB	170, 34, 34
RGB Percent	67%, 13%, 13%
CMY	0.3333, 0.8666, 0.8667
CMYK	0.00, 0.80, 0.80, 0.33
HSL	0°, 67%, 40%
HSV	0°, 80%, 67%
XYZ	17.4383, 9.8056, 2.4869
YIQ	74.6640, 81.0560, 28.8320

Conversions

Conversions Part 2

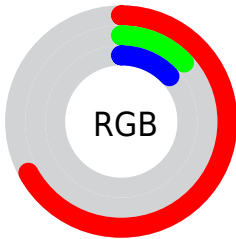
Format	Color
RYB	170, 34, 34
Decimal	11149858
CIELab	37.49, 53.55, 35.48
CIELCh	37, 64.236, 33.529
Yxy	9.8056, 0.5865, 0.3298
Android (android.graphics.Color)	4289339938 (0xFFAA2222)
YUV	74.6640, -20.0474, 83.6097
Hunter-Lab	31.3139, 44.6050, 17.2110

Details

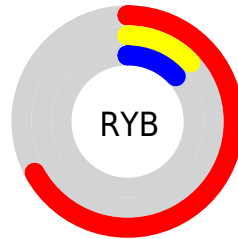
The XYZ color **17.4383, 9.8056, 2.4869** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **22.2877, 31.9870, 43.0293**, and the grayscale version is **6.6530, 6.9994, 7.6224**.

A 20% lighter version of the original color is **38.5171, 25.3746, 10.2648**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **16.8793, 8.9878, 1.3755**, and if you desaturate by 10%, it is **18.3592, 11.1535, 4.3172**.

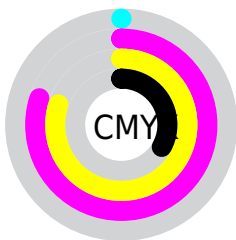
Distribution



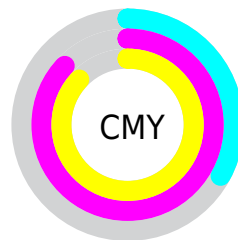
- Red (67%)
- Green (13%)
- Blue (13%)



- Red (67%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (33%)





- Cyan (33%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4383, 9.8056, 2.4869 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 17.4383, 9.8056, 2.4869 by changing the saturation by 10% instead.


 17.4383, 9.8056,
2.4869


 17.4383, 9.8056,
2.4869


230.7930,
189.2789, 129.5303


 10.6447, 5.2703,
0.8332


 38.6155, 25.4292,
10.3337


 5.8940, 2.4067,
0.0000

 53.7298, 37.2863,
17.3697


 2.8208, 0.8293,
0.0000

 72.3484, 52.3527,
27.0388

 1.0597, 0.0000,
0.0000


 94.8366, 71.0128,
39.7596


 0.0000, 0.0000,
0.0000


 121.5598, 93.6512,
55.9506


 152.8834,


120.6520, 76.0304


 189.1727,
152.3998, 100.4174


 17.4383, 9.8056,
2.4869


 17.4383, 9.8056,
2.4869


 16.8793, 8.9878,
1.3755


 18.3592, 11.1535,
4.3172


 16.5776, 8.5463,
0.7759

 19.6885, 13.0986,
6.9594

 16.5776, 8.5463,
0.7759

 21.4662, 15.7000,
10.4933

 23.7276, 19.0091,
14.9888

 26.5045, 23.0725,
20.5091

■ 29.8258, 27.9326,
27.1119

■ 33.7185, 33.6286,
34.8506

■ 38.2077, 40.1974,
43.7750

■ 43.3168, 47.6735,
53.9322

Harmonies

Analogous

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



19.4572, 9.8056, 9.3616



17.4383, 9.8056, 2.4869



13.2412, 9.8056, 0.4991

Triad

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



17.4383, 9.8056, 2.4869



3.9414, 9.8056, 3.5002



9.8076, 9.8056, 52.0098

Complementary

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



17.4383, 9.8056, 2.4869



22.2877, 31.9870, 43.0293

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.



6.2610, 9.8056, 45.6853



17.4383, 9.8056, 2.4869



3.5066, 9.8056, 12.1094

Square

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



17.4383, 9.8056, 2.4869



5.6454, 9.8056, 0.7755



4.2177, 9.8056, 28.3477



14.3187, 9.8056, 42.1610

Rectangle

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



17.4383, 9.8056, 2.4869



10.2257, 9.8056, 0.0569



4.2177, 9.8056, 28.3477



8.4693, 9.8056, 51.7234

Sweetspot

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



17.4385, 9.8062, 2.4870



51.3184, 46.5870, 43.6299



24.4051, 12.5923, 39.1741



10.9873, 9.7204, 8.8212



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.



17.4385, 9.8062, 2.4870



30.2234, 15.7184, 1.6958



21.6175, 18.1641, 3.8800



7.5312, 7.5424, 7.8482



12.1948, 6.2869, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



22.2877, 31.9870, 43.0293



39.3523, 57.4761, 78.0218



12.6667, 12.7450, 39.8223



7.7475, 8.5320, 9.6568



15.9096, 23.2793, 31.6303



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 17.4383, 9.8056, 2.4869 looks on a white background.

Color Contrast Check

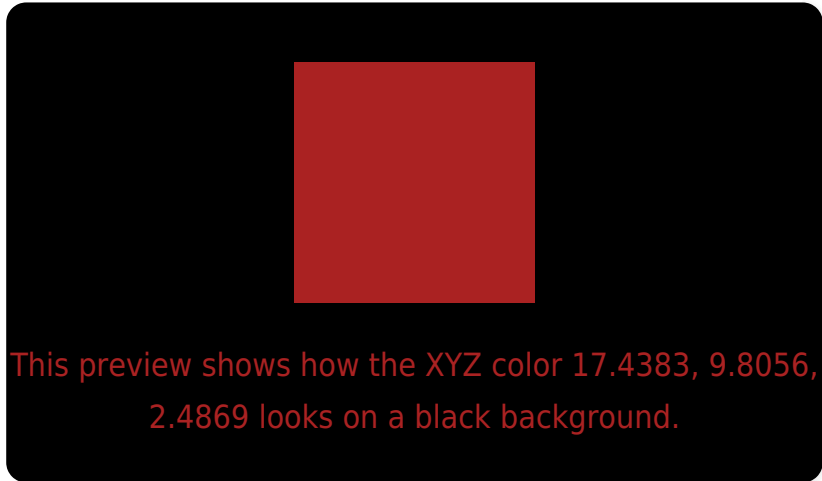
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4383, 9.8056, 2.4869

Background



This preview shows how black text looks on a background with the XYZ color 17.4383, 9.8056, 2.4869.



This preview shows how white text looks on a background with the XYZ color 17.4383, 9.8056,

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

17.4383, 9.8056, 2.4869

Protanopia

9.3561, 10.1867, 4.3788

Deuteranopia

10.2034, 10.0656, 2.1641



Tritanopia

17.4383, 9.8056, 2.4869

Trichromacy



Original Color

17.4383, 9.8056, 2.4869

Protanomaly

11.1022, 8.9221, 3.5199

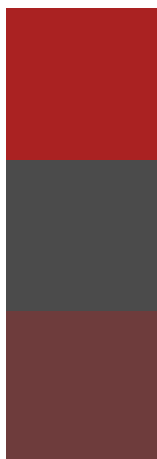
Deuteranomaly

11.9662, 9.0393, 2.0914

Tritanomaly

17.4383, 9.8056, 2.4869

Monochromacy



Original Color

17.4383, 9.8056, 2.4869

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.8619, 6.8730, 5.1345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4383, 9.8056, 2.4869 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(170, 34, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 34, 34)  
}
```

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(170, 34, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 34, 34) }
```

Border

The CSS property to change the border of an element to XYZ 17.4383, 9.8056, 2.4869 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(170, 34, 34) }
```


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

```
.border{ border-color:rgb(170, 34, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 34, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 34, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 34, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 34,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4383, 9.8056, 2.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 34, 34) }
```

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

```
.background{ background-color: rgb(170, 34,  
34) }
```

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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