

Converting Colors

XYZ(17.7376, 9.8444, 2.1936)

Have a look what the booklet for
XYZ(17.7376, 9.8444, 2.1936)
contains.

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Color

**XYZ(17.7376, 9.8444,
2.1936)**

Conversions

Conversions Part 1

Format	Color
Hex	AC1F1E
RGB	172, 31, 30
RGB Percent	67%, 12%, 12%
CMY	0.3255, 0.8784, 0.8823
CMYK	0.00, 0.82, 0.83, 0.33
HSL	0°, 70%, 40%
HSV	0°, 83%, 67%
XYZ	17.7376, 9.8444, 2.1936
YIQ	73.0450, 84.3570, 29.5810

Conversions

Conversions Part 2

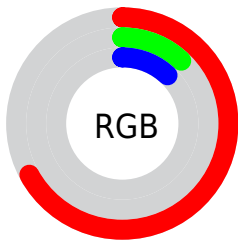
Format	Color
R_{YB}	172, 31, 30
Decimal	11280158
CIE Lab	37.56, 54.86, 37.93
CIE LCh	38, 66.694, 34.658
Yxy	9.8444, 0.5957, 0.3306
Android (android.graphics.Color)	4289470238 (0xFFAC1F1E)
YUV	73.0450, -21.2212, 86.7835
Hunter-Lab	31.3758, 46.0034, 17.8179

Details

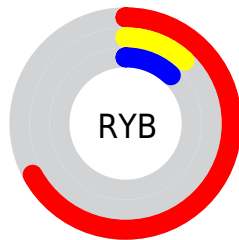
The XYZ color **17.7376, 9.8444, 2.1936** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **22.5422, 32.3753, 44.0904**, and the grayscale version is **6.3674, 6.6990, 7.2952**.

A 20% lighter version of the original color is **39.1871, 25.4825, 9.5098**, and **6.5555, 3.3795, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **17.2407, 9.1115, 1.2241**, and if you desaturate by 10%, it is **18.5909, 11.0988, 3.8730**.

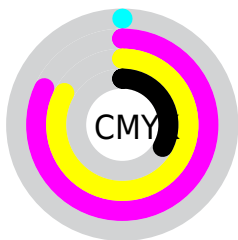
Distribution



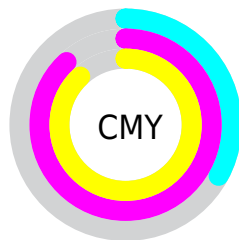
- Red (67%)
- Green (12%)
- Blue (12%)



- Red (67%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (82%)
- Yellow (83%)
- Black (33%)




- Cyan (33%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7376, 9.8444, 2.1936 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 17.7376, 9.8444, 2.1936 by changing the saturation by 10% instead.


 17.7376, 9.8444,
2.1936


 17.7376, 9.8444,
2.1936


232.4621,
189.5579, 125.3141


 10.8603, 5.2959,
0.6707


 39.1233, 25.5024,
9.5636


 6.0396, 2.4219,
0.0000


 54.3624, 37.3807,
16.2766


 2.9100, 0.8371,
0.0000

 73.1195, 52.4711,
25.5663

 1.1064, 0.0000,
0.0000

 95.7599, 71.1580,
37.8512


 0.0304, 0.0000,
0.0000


 122.6490, 93.8257,
53.5499


 0.0000, 0.0000,
0.0000


 154.1522,


120.8586, 73.0809

 190.6348,
152.6412, 96.8628


 17.7376, 9.8444,
2.1936


 17.7376, 9.8444,
2.1936


 17.2407, 9.1115,
1.2241

 18.5909, 11.0988,
3.8730

 17.0264, 8.7972,
0.8006

 19.8499, 12.9453,
6.3630

 21.5568, 15.4454,
9.7483

 23.7482, 18.6526,
14.1031

 26.4571, 22.6147,
19.4938

■ 29.7136, 27.3756,
25.9809

■ 33.5455, 32.9756,
33.6204

■ 37.9785, 39.4523,
42.4642

■ 43.0371, 46.8412,
52.5614

Harmonies

Analogous

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



19.9896, 9.8444, 8.9415



17.7376, 9.8444, 2.1936



13.2746, 9.8444, 0.3136

Triad

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



17.7376, 9.8444, 2.1936



3.7750, 9.8444, 3.5347



10.0309, 9.8444, 54.5257

Complementary

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



17.7376, 9.8444, 2.1936



22.5422, 32.3753, 44.0904

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.



6.2974, 9.8444, 48.3880



17.7376, 9.8444, 2.1936



3.3783, 9.8444, 12.7175

Square

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



17.7376, 9.8444, 2.1936



5.4615, 9.8444, 0.6922



4.1460, 9.8444, 30.0922



14.7673, 9.8444, 43.4175

Rectangle

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



17.7376, 9.8444, 2.1936



10.1323, 9.8444, 0.0000



4.1460, 9.8444, 30.0922



8.6219, 9.8444, 54.4542

Sweetspot

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



17.7378, 9.8450, 2.1937



52.0927, 47.0141, 43.5215



24.9237, 12.6777, 40.1628



10.8823, 9.5760, 8.5844



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.



17.7378, 9.8450, 2.1937



30.9184, 15.9993, 1.5230



21.9012, 18.1717, 3.5815



8.0097, 8.0242, 8.3400



12.6723, 6.5501, 0.5964



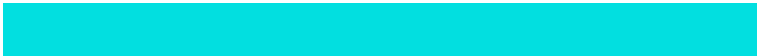
0.3540, 0.1851, 0.0171

Inverse Universe

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



22.5422, 32.3753, 44.0904



39.8754, 58.0949, 79.9176



12.6355, 12.5619, 40.7881



8.2314, 9.0621, 10.2680



16.3485, 23.8309, 32.7827



0.4563, 0.6660, 0.9125

Previews

White Background



This preview shows how the XYZ color 17.7376, 9.8444, 2.1936 looks on a white background.

Color Contrast Check

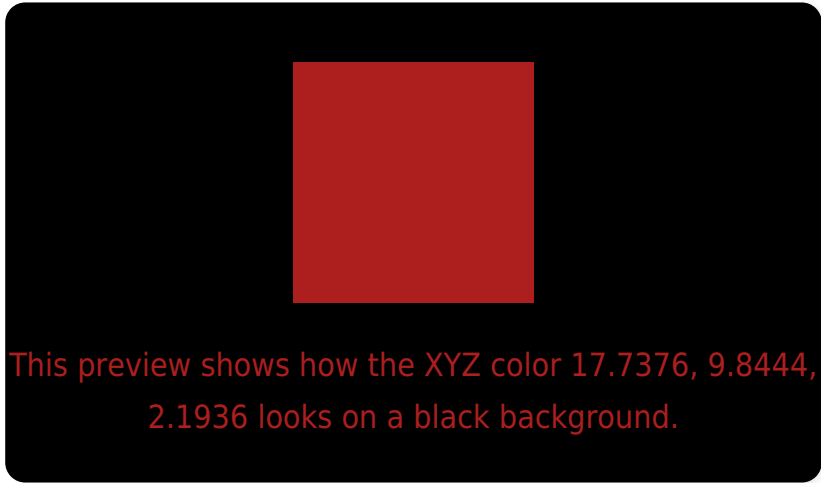
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7376, 9.8444, 2.1936

Background



This preview shows how black text looks on a background with the XYZ color 17.7376, 9.8444, 2.1936.



This preview shows how white text looks on a background with the XYZ color 17.7376, 9.8444,

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

17.7376, 9.8444, 2.1936

Protanopia

9.2754, 10.1544, 3.9538

Deuteranopia

10.1378, 10.0394, 1.8189



Tritanopia

17.7376, 9.8444, 2.1936

Trichromacy



Original Color

17.7376, 9.8444, 2.1936

Protanomaly

11.1153, 8.8451, 3.1289

Deuteranomaly

11.8481, 8.8994, 1.7551

Tritanomaly

17.7376, 9.8444, 2.1936

Monochromacy



Original Color

17.7376, 9.8444, 2.1936

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.5582, 6.5727, 4.6885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7376, 9.8444, 2.1936 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, 31, 30)` looks like.

```
.text, #text, p{  
    color:rgb(172, 31, 30)  
}
```

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, 31, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 31, 30) }
```

Border

The CSS property to change the border of an element to XYZ 17.7376, 9.8444, 2.1936 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, 31, 30) }
```


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

```
.border{ border-color:rgb(172, 31, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 31, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 31, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 31, 30);  
box-shadow:4px 4px 4px 4px rgb(172, 31,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7376, 9.8444, 2.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 31, 30) }
```

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

```
.background{ background-color: rgb(172, 31,  
30) }
```

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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