

Converting Colors

XYZ(17.3077, 9.7327, 0.9664)

Have a look what the booklet for
XYZ(17.3077, 9.7327, 0.9664)
contains.

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Color

**XYZ(17.3384, 9.7456,
0.9673)**

Conversions

Conversions Part 1

Format	Color
Hex	AB2100
RGB	171, 33, 0
RGB Percent	67%, 13%, 0%
CMY	0.3294, 0.8705, 1.0000
CMYK	0.00, 0.81, 1.00, 0.33
HSL	12°, 100%, 34%
HSV	12°, 100%, 67%
XYZ	17.3384, 9.7456, 0.9673
YIQ	70.5000, 92.8410, 18.9930

Conversions

Conversions Part 2

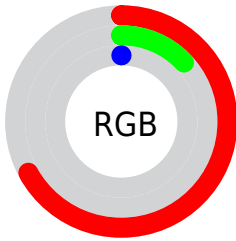
Format	Color
R _{YB}	171, 41, 0
Decimal	11215104
CIE Lab	37.38, 53.48, 50.62
CIE LCh	37, 73.631, 43.426
Yxy	9.7456, 0.6181, 0.3474
Android (android.graphics.Color)	4289405184 (0xFFAB2100)
YUV	70.5000, -34.7565, 88.1385
Hunter-Lab	31.2179, 44.5072, 20.0154

Details

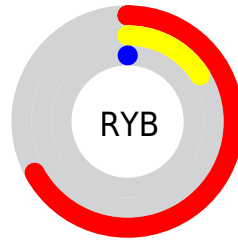
The XYZ color **17.3384, 9.7456, 0.9673** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.4377, 21.1144, 41.7368**, and the grayscale version is **5.9515, 6.2614, 6.8187**.

A 20% lighter version of the original color is **38.5996, 25.3834, 5.9970**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **17.3385, 9.7461, 0.9673**, and if you desaturate by 10%, it is **17.9054, 10.7166, 1.6593**.

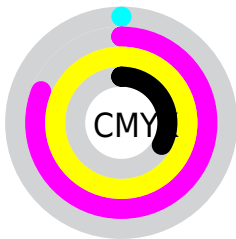
Distribution



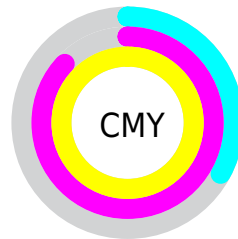
- Red (67%)
- Green (13%)
- Blue (0%)



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



- Cyan (0%)
- Magenta (81%)
- Yellow (100%)
- Black (33%)




- Cyan (33%)
- Magenta (87%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3384, 9.7456, 0.9673 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 17.3384, 9.7456, 0.9673 by changing the saturation by 10% instead.


 17.3384, 9.7456,
0.9673


 17.3384, 9.7456,
0.9673


 230.2334,
188.8466, 103.4149


 10.5729, 5.2306,
0.0000


 38.4457, 25.3159,
5.9522


 5.8456, 2.3832,
0.0000

 53.5181, 37.1400,
10.9993


 2.7912, 0.8172,
0.0000

 72.0902, 52.1692,
18.3075

 1.0443, 0.0000,
0.0000

 94.5274, 70.7880,
28.2954

 0.0000, 0.0000,
0.0000

 121.1949, 93.3808,
41.3816


 152.4582,


120.3319, 57.9845


 188.6826,
152.0257, 78.5228


 17.3384, 9.7456,
0.9673


 17.3384, 9.7456,
0.9673


 17.3385, 9.7461,
0.9673

 17.9054, 10.7166,
1.6593

 18.7341, 12.0705,
2.8712

 19.8748, 13.8518,
4.7932

 21.3569, 16.0937,
7.5142

 23.2061, 18.8258,
11.1100

■ 25.4457, 22.0751,
15.6473

■ 28.0966, 25.8669,
21.1866

■ 31.1787, 30.2246,
27.7832

■ 34.7102, 35.1702,
35.4882

Harmonies

Analogous

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



20.8840, 9.7456, 5.7283



17.3384, 9.7456, 0.9673



12.0381, 9.7456, 0.0000

Triad

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



17.3384, 9.7456, 0.9673



3.0867, 9.7456, 4.8784



11.4849, 9.7456, 59.6585

Complementary

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



17.3384, 9.7456, 0.9673



16.4377, 21.1144, 41.7368

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.



6.9508, 9.7456, 58.5212



17.3384, 9.7456, 0.9673



3.0263, 9.7456, 17.6912

Square

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



17.3384, 9.7456, 0.9673



4.3961, 9.7456, 0.7674



4.1893, 9.7456, 39.5111



16.8191, 9.7456, 41.9351

Rectangle

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



17.3384, 9.7456, 0.9673



8.7415, 9.7456, 0.0000



4.1893, 9.7456, 39.5111



9.8046, 9.7456, 61.7391

Sweetspot

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



17.3386, 9.7462, 0.9674



50.0485, 45.9404, 37.3699



21.5023, 10.5410, 25.5771



10.7109, 9.6029, 7.3871



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.



17.3386, 9.7462, 0.9674



30.9358, 17.2210, 1.6935



23.1383, 21.3456, 2.9007



8.1258, 8.2563, 8.3787



13.1011, 7.4076, 0.7393



0.4003, 0.2777, 0.0325

Inverse Universe

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



16.4377, 21.1144, 41.7368



29.2897, 37.5158, 74.6994



8.6769, 5.5927, 39.1498



8.1030, 8.8053, 10.2252



12.4283, 15.9905, 31.4759



0.3790, 0.5113, 0.8867

Previews

White Background



This preview shows how the XYZ color 17.3384, 9.7456, 0.9673 looks on a white background.

Color Contrast Check

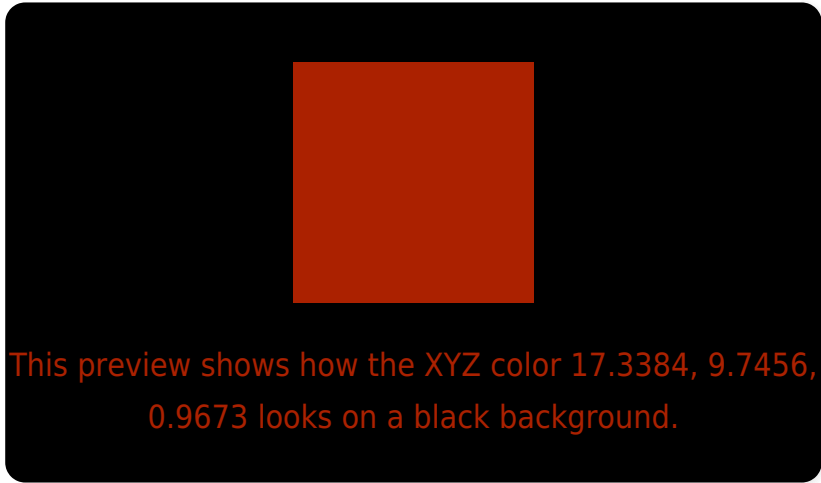
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3384, 9.7456, 0.9673

Background



This preview shows how black text looks on a background with the XYZ color 17.3384, 9.7456, 0.9673.



This preview shows how white text looks on a background with the XYZ color 17.3384, 9.7456,

0.9673.

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

17.3384, 9.7456, 0.9673

Protanopia

9.1584, 10.1332, 2.1827

Deuteranopia

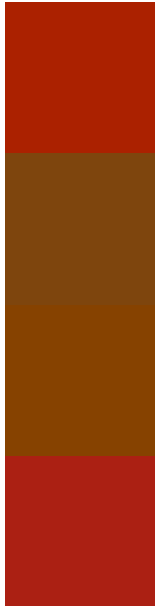
10.0586, 10.0077, 1.4015



Tritanopia

17.5189, 9.7316, 2.1833

Trichromacy



Original Color

17.3384, 9.7456, 0.9673

Protanomaly

10.8050, 8.7209, 1.4946

Deuteranomaly

11.7797, 8.9648, 1.1095

Tritanomaly

17.4286, 9.7380, 1.5771

Monochromacy



Original Color

17.3384, 9.7456, 0.9673

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.0002, 6.2415, 3.2657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3384, 9.7456, 0.9673 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(171, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 33, 0)  
}
```

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(171, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 33, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.3384, 9.7456, 0.9673 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(171, 33, 0) }
```


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

```
.border{ border-color:rgb(171, 33, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 33, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 33, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.3384, 9.7456, 0.9673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 33, 0) }
```

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

```
.background{ background-color: rgb(171, 33,  
0) }
```

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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