

Converting Colors

XYZ(16.5580, 8.1221, 7.4090)

Have a look what the booklet for
XYZ(16.5580, 8.1221, 7.4090)
contains.

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Color

**XYZ(16.7870, 8.5073,
7.4139)**

Conversions

Conversions Part 1

Format	Color
Hex	A5004B
RGB	165, 0, 75
RGB Percent	65%, 0%, 29%
CMY	0.3529, 0.9999, 0.7059
CMYK	0.00, 1.00, 0.55, 0.35
HSL	333°, 100%, 32%
HSV	333°, 100%, 65%
XYZ	16.7870, 8.5073, 7.4139
YIQ	57.8850, 74.2650, 58.3050

Conversions

Conversions Part 2

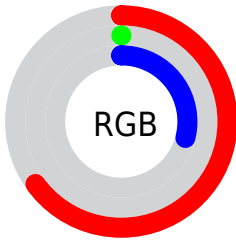
Format	Color
R_{YB}	165, 0, 75
Decimal	10813515
CIE _{Lab}	35.02, 60.63, 6.29
CIE _{LCh}	35, 60.953, 5.925
Yxy	8.5073, 0.5132, 0.2601
Android (android.graphics.Color)	4289003595 (0xFFA5004B)
YUV	57.8850, 8.4377, 93.9399
Hunter-Lab	29.1673, 51.6916, 5.3464

Details

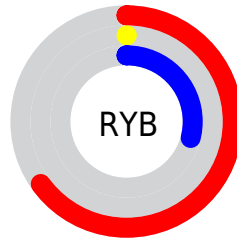
The XYZ color **16.7870, 8.5073, 7.4139** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.3018, 27.6488, 14.2085**, and the grayscale version is **3.9902, 4.1980, 4.5716**.

A 20% lighter version of the original color is **37.3509, 22.8864, 21.1878**, and **6.2046, 3.1685, 1.6511** is the 20% darker color. If you saturate the color by 10%, you get **16.7865, 8.5071, 7.4115**, and if you desaturate by 10%, it is **17.3104, 9.0257, 9.2176**.

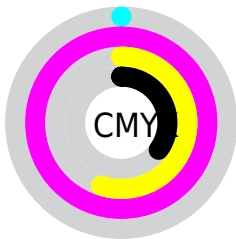
Distribution



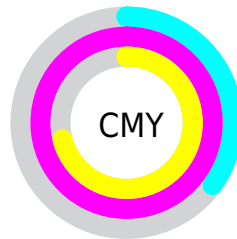
- Red (65%)
- Green (0%)
- Blue (29%)



- Red (65%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (35%)





- Cyan (35%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7870, 8.5073, 7.4139 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 16.7870, 8.5073, 7.4139 by changing the saturation by 10% instead.


 16.7870, 8.5073,
7.4139


 16.7870, 8.5073,
7.4139


227.1222,
179.6586, 180.8193


 10.1771, 4.4212,
3.6399


 37.5057, 22.9471,
21.3280


 5.5797, 1.9119,
1.4300

 52.3452, 34.0697,
32.3053


 2.6295, 0.5555,
0.1649

 70.6587, 48.3065,
46.5207

 0.9610, 0.0000,
0.0000

 92.8114, 66.0420,
64.3928

 0.0000, 0.0000,
0.0000

 119.1688, 87.6605,
86.3402

 150.0961,

113.5466, 112.7814

185.9588,
144.0845, 144.1349

16.7870, 8.5073,
7.4139

16.7870, 8.5073,
7.4139

16.7865, 8.5071,
7.4115

17.3104, 9.0257,
9.2176

18.0374, 9.8787,
11.3127

19.0358, 11.1994,
13.7298

20.3361, 13.0464,
16.4868

21.9645, 15.4695,
19.5996

■ 23.9441, 18.5127,
23.0829

■ 26.2957, 22.2159,
26.9504

■ 29.0388, 26.6153,
31.2148

■ 32.1910, 31.7446,
35.8883

Harmonies

Analogous

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



15.9094, 8.5073, 19.5477



16.7870, 8.5073, 7.4139



14.8442, 8.5073, 1.9358

Triad

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



16.7870, 8.5073, 7.4139



4.7477, 8.5073, 0.7702



5.6416, 8.5073, 40.3132

Complementary

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



16.7870, 8.5073, 7.4139



15.3018, 27.6488, 14.2085

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.



3.7718, 8.5073, 25.7774



16.7870, 8.5073, 7.4139



3.3696, 8.5073, 3.4191

Square

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



16.7870, 8.5073, 7.4139



7.4115, 8.5073, 0.0000



3.0725, 8.5073, 11.3965



8.8001, 8.5073, 44.6507

Rectangle

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



16.7870, 8.5073, 7.4139



12.4683, 8.5073, 0.6913



3.0725, 8.5073, 11.3965



4.8736, 8.5073, 36.1197

Sweetspot

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



16.7872, 8.5078, 7.4140



46.8380, 39.3803, 47.8568



10.8173, 4.7924, 35.9520



9.8580, 8.0053, 9.8437



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.7872, 8.5078, 7.4140



29.9638, 15.1958, 12.7480



15.5770, 8.1192, 0.7469



7.2013, 7.1370, 8.0467



12.7239, 6.4456, 5.7365



0.2911, 0.1449, 0.2456

Inverse Universe

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



16.7872, 8.5078, 7.4140



29.9638, 15.1958, 12.7480



19.2761, 27.6855, 39.9249



7.2013, 7.1370, 8.0467



12.7239, 6.4456, 5.7365



0.2911, 0.1449, 0.2456

Previews

White Background



This preview shows how the XYZ color 16.7870, 8.5073, 7.4139 looks on a white background.

Color Contrast Check

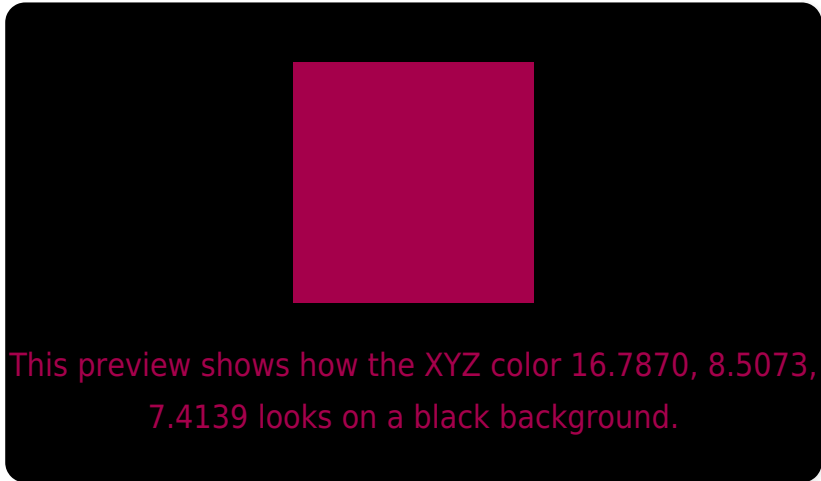
Large Text (above 18pt) WCAG AA ✓ Pass

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

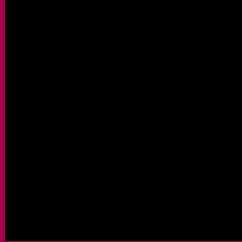
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7870, 8.5073, 7.4139

Background



This preview shows how black text looks on a background with the XYZ color 16.7870, 8.5073, 7.4139.



This preview shows how white text looks on a background with the XYZ color 16.7870, 8.5073,

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

16.7870, 8.5073, 7.4139

Protanopia

9.1551, 9.1070, 15.7433

Deuteranopia

9.2063, 9.1046, 6.7410



Tritanopia

15.7903, 8.8038, 2.0295

Trichromacy



Original Color

16.7870, 8.5073, 7.4139

Protanomaly

9.8612, 6.7243, 12.0874

Deuteranomaly

10.5337, 7.1219, 6.7807

Tritanomaly

16.0359, 8.5555, 3.3910

Monochromacy



Original Color

16.7870, 8.5073, 7.4139

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.5167, 4.2347, 5.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7870, 8.5073, 7.4139 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(165, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(165, 0, 75)  
}
```

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(165, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 16.7870, 8.5073, 7.4139 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(165, 0, 75) }
```


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

```
.border{ border-color:rgb(165, 0, 75) }
```

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

Here you see how a box with a 4 pixel rgb(165, 0, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(165, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.7870, 8.5073, 7.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 0, 75) }
```

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

```
.background{ background-color: rgb(165, 0,  
75) }
```

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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