

Converting Colors

XYZ(18.9881, 9.9110, 6.8746)

Have a look what the booklet for
XYZ(18.9881, 9.9110, 6.8746)
contains.

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Color

**XYZ(18.9874, 9.9105,
6.8734)**

Conversions

Conversions Part 1

Format	Color
Hex	AF0F47
RGB	175, 15, 71
RGB Percent	69%, 6%, 28%
CMY	0.3137, 0.9411, 0.7216
CMYK	0.00, 0.91, 0.59, 0.31
HSL	339°, 84%, 37%
HSV	339°, 91%, 69%
XYZ	18.9874, 9.9105, 6.8734
YIQ	69.2240, 77.3840, 51.3360

Conversions

Conversions Part 2

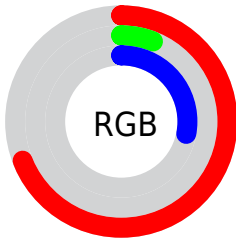
Format	Color
R_{YB}	175, 15, 71
Decimal	11472711
CIE Lab	37.68, 60.90, 12.92
CIE LCh	38, 62.259, 11.977
Yxy	9.9105, 0.5308, 0.2771
Android (android.graphics.Color)	4289662791 (0xFFAF0F47)
YUV	69.2240, 0.8756, 92.7656
Hunter-Lab	31.4809, 52.5687, 9.0916

Details

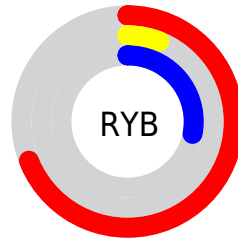
The XYZ color **18.9874, 9.9105, 6.8734** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.8582, 32.0941, 22.6597**, and the grayscale version is **5.6846, 5.9807, 6.5130**.

A 20% lighter version of the original color is **41.0922, 25.5054, 20.2100**, and **7.2920, 3.7335, 1.4987** is the 20% darker color. If you saturate the color by 10%, you get **18.5279, 9.4534, 5.2965**, and if you desaturate by 10%, it is **19.7472, 10.7901, 9.0999**.

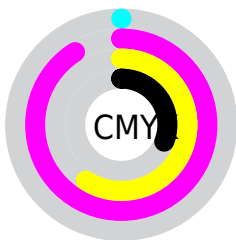
Distribution



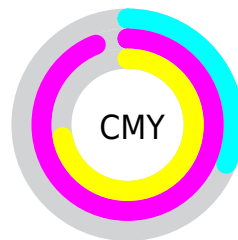
- Red (69%)
- Green (6%)
- Blue (28%)



- Red (69%)
- Yellow (6%)
- Blue (28%)



- Cyan (0%)
- Magenta (91%)
- Yellow (59%)
- Black (31%)



- Cyan (31%)
- Magenta (94%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9874, 9.9105, 6.8734 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 18.9874, 9.9105, 6.8734 by changing the saturation by 10% instead.


 18.9874, 9.9105,
6.8734


 18.9874, 9.9105,
6.8734


239.3186,
190.0321, 176.1984


 11.7651, 5.3397,
3.3058


 41.2298, 25.6270,
20.2266


 6.6550, 2.4479,
1.2528


 56.9807, 37.5415,
30.8493


 3.2917, 0.8504,
0.0227

 76.3052, 52.6726,
44.6607

 1.3098, 0.0000,
0.0000

 99.5686, 71.4048,
62.0794

 0.1906, 0.0000,
0.0000

 127.1363, 94.1225,
83.5241

 0.0000, 0.0000,
0.0000

 159.3736,

121.2100, 109.4131

196.6459,
153.0517, 140.1650

■ 18.9874, 9.9105,
6.8734

■ 18.9874, 9.9105,
6.8734

■ 18.5279, 9.4534,
5.2965

■ 19.7472, 10.7901,
9.0999

■ 20.8300, 12.2006,
11.7887

■ 22.2738, 14.2129,
14.9689

■ 24.1111, 16.8868,
18.6663

■ 26.3703, 20.2746,
22.9049

■ 29.0772, 24.4233,
27.7069

■ 32.2552, 29.3759,
33.0930

■ 35.9264, 35.1722,
39.0830

■ 40.1112, 41.8494,
45.6957

Harmonies

Analogous

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



18.6581, 9.9105, 19.0281



18.9874, 9.9105, 6.8734



16.2785, 9.9105, 1.7962

Triad

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



18.9874, 9.9105, 6.8734



5.1944, 9.9105, 1.3482



7.2575, 9.9105, 47.5693

Complementary

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



18.9874, 9.9105, 6.8734



18.8582, 32.0941, 22.6597

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.



4.8223, 9.9105, 32.8909



18.9874, 9.9105, 6.8734



3.8813, 9.9105, 5.3582

Square

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



18.9874, 9.9105, 6.8734



7.9282, 9.9105, 0.2841



3.7675, 9.9105, 15.9699



11.0872, 9.9105, 49.1856

Rectangle

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



18.9874, 9.9105, 6.8734



13.4627, 9.9105, 0.6997



3.7675, 9.9105, 15.9699



6.2798, 9.9105, 43.6885

Sweetspot

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



18.9876, 9.9111, 6.8735



54.2217, 47.0694, 53.3061



15.5177, 7.3598, 41.1602



11.6470, 9.8342, 11.1545



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.9876, 9.9111, 6.8735



33.0892, 16.8933, 8.9933



18.4916, 10.6006, 1.5242



8.1166, 8.0599, 8.9251



13.2951, 6.7806, 3.9336



0.3962, 0.1992, 0.2482

Inverse Universe

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



18.9876, 9.9111, 6.8735



33.0892, 16.8933, 8.9933



19.0023, 25.3310, 44.4453



8.1166, 8.0599, 8.9251



13.2951, 6.7806, 3.9336



0.3962, 0.1992, 0.2482

Previews

White Background



This preview shows how the XYZ color 18.9874, 9.9105, 6.8734 looks on a white background.

Color Contrast Check

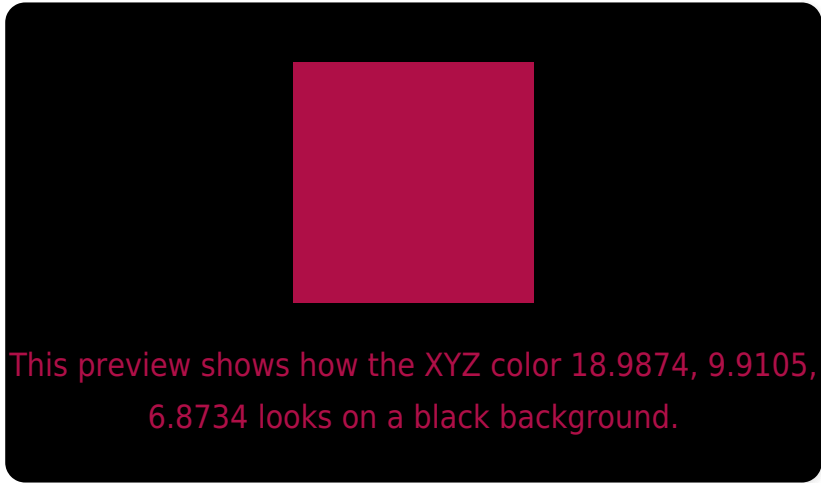
Large Text (above 18pt) WCAG AA ✓ Pass

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

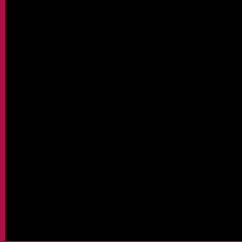
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9874, 9.9105, 6.8734

Background



This preview shows how black text looks on a background with the XYZ color 18.9874, 9.9105, 6.8734.



This preview shows how white text looks on a background with the XYZ color 18.9874, 9.9105,

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

18.9874, 9.9105, 6.8734

Protanopia

10.1743, 10.3955, 14.0407

Deuteranopia

10.5180, 10.3747, 6.2986



Tritanopia

18.1799, 10.0724, 2.2143

Trichromacy



Original Color

18.9874, 9.9105, 6.8734

Protanomaly

11.4116, 8.3034, 10.8988

Deuteranomaly

12.1976, 8.6483, 6.3366

Tritanomaly

18.2768, 9.8834, 3.4270

Monochromacy



Original Color

18.9874, 9.9105, 6.8734

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

8.3881, 5.8270, 6.4770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9874, 9.9105, 6.8734 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(175, 15, 71)` looks like.

```
.text, #text, p{  
    color:rgb(175, 15, 71)  
}
```

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(175, 15, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 15, 71) }
```

Border

The CSS property to change the border of an element to XYZ 18.9874, 9.9105, 6.8734 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(175, 15, 71) }
```


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

```
.border{ border-color:rgb(175, 15, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 15, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 15, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 15, 71);  
box-shadow:4px 4px 4px 4px rgb(175, 15,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9874, 9.9105, 6.8734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 15, 71) }
```

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

```
.background{ background-color: rgb(175, 15,  
71) }
```

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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