

Converting Colors

XYZ(17.9906, 9.8053, 31.7697)

Have a look what the booklet for
XYZ(17.9906, 9.8053, 31.7697)
contains.

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Color

**XYZ(18.0721, 9.8621,
31.9614)**

Conversions

Conversions Part 1

Format	Color
Hex	8F2A9B
RGB	143, 42, 155
RGB Percent	56%, 16%, 61%
CMY	0.4392, 0.8353, 0.3922
CMYK	0.08, 0.73, 0.00, 0.39
HSL	294°, 57%, 39%
HSV	294°, 73%, 61%
XYZ	18.0721, 9.8621, 31.9614
YIQ	85.0810, 23.9230, 56.5550

Conversions

Conversions Part 2

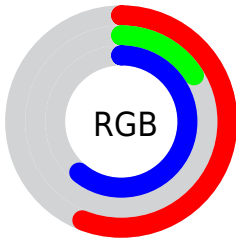
Format	Color
R _Y B	143, 42, 155
Decimal	9382555
CIE Lab	37.59, 56.51, -40.52
CIE LCh	38, 69.531, 324.360
Yxy	9.8621, 0.3017, 0.1647
Android (android.graphics.Color)	4287572635 (0xFF8F2A9B)
YUV	85.0810, 34.4701, 50.7950
Hunter-Lab	31.4040, 47.7647, -38.3596

Details

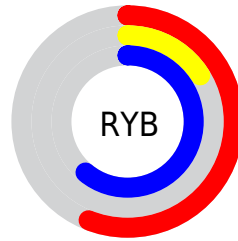
The XYZ color **18.0721, 9.8621, 31.9614** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.6608, 24.3943, 6.1794**, and the grayscale version is **8.5786, 9.0254, 9.8287**.

A 20% lighter version of the original color is **39.8200, 25.6679, 63.8284**, and **6.5680, 3.1031, 13.0848** is the 20% darker color. If you saturate the color by 10%, you get **17.3422, 8.8218, 31.7992**, and if you desaturate by 10%, it is **19.0196, 11.3306, 32.1951**.

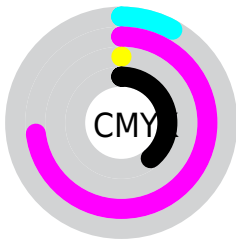
Distribution



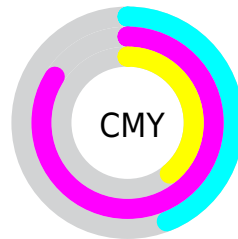
- Red (56%)
- Green (16%)
- Blue (61%)



- Red (56%)
- Yellow (16%)
- Blue (61%)



- Cyan (8%)
- Magenta (73%)
- Yellow (0%)
- Black (39%)





- Cyan (44%)
- Magenta (84%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0721, 9.8621, 31.9614 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 18.0721, 9.8621, 31.9614 by changing the saturation by 10% instead.


 18.0721, 9.8621,
31.9614


 18.0721, 9.8621,
31.9614


234.3149,
189.6850, 325.4307


 11.1018, 5.3076,
21.0674


 39.6893, 25.5358,
63.8478


 6.2031, 2.4289,
12.9816


 55.0668, 37.4238,
85.6773


 3.0108, 0.8407,
7.2853


 73.9775, 52.5251,
111.9890

 1.1595, 0.0000,
3.5600

 96.7866, 71.2241,
143.2016

 0.0740, 0.0000,
1.3872

 123.8595, 93.9052,
179.7335

 0.0000, 0.0000,
0.1317

 155.5616,

 0.0000, 0.0000,

120.9528, 222.0033

0.0000

192.2583,
152.7513, 270.4295

■ 18.0721, 9.8621,
31.9614

■ 18.0721, 9.8621,
31.9614

■ 17.3422, 8.8218,
31.7992

■ 19.0196, 11.3306,
32.1951

■ 16.8025, 8.1563,
31.6992

■ 20.2055, 13.2700,
32.5069

■ 16.4875, 7.8162,
31.6502

■ 21.6494, 15.7192,
32.9035

■ 23.3686, 18.7126,
33.3907

■ 25.3788, 22.2818,
33.9737

■ 27.6945, 26.4558,
34.6573

■ 30.3295, 31.2618,
35.4461

■ 33.2963, 36.7251,
36.3442

■ 36.6070, 42.8698,
37.3558

Harmonies

Analogous

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



13.3161, 9.8621, 51.4166



18.0721, 9.8621, 31.9614



20.5716, 9.8621, 13.3012

Triad

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



18.0721, 9.8621, 31.9614



10.2304, 9.8621, 0.0000



3.5840, 9.8621, 24.1606

Complementary

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



18.0721, 9.8621, 31.9614



13.6608, 24.3943, 6.1794

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.



3.2216, 9.8621, 8.5275



18.0721, 9.8621, 31.9614



6.2980, 9.8621, 0.1032

Square

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



18.0721, 9.8621, 31.9614



15.2212, 9.8621, 0.5810



4.0404, 9.8621, 1.9014



5.2561, 9.8621, 44.9410

Rectangle

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



18.0721, 9.8621, 31.9614



20.1966, 9.8621, 5.7785



4.0404, 9.8621, 1.9014



3.3325, 9.8621, 17.9417

Sweetspot

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



18.0725, 9.8625, 31.9616



45.6338, 40.2323, 60.8967



8.2465, 5.6090, 31.6585



10.1127, 8.7199, 13.7205



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.0725, 9.8625, 31.9616



30.4596, 15.0331, 56.8326



17.2528, 9.7876, 16.2172



6.3966, 6.2903, 7.8060



13.2618, 6.2878, 25.4224



0.2144, 0.1023, 0.3808

Inverse Universe

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



15.0116, 8.8911, 4.4152



25.0519, 13.4150, 3.7313



14.3288, 24.5961, 12.6532



6.2341, 6.2328, 6.6131



10.9429, 5.6314, 0.9581



0.1697, 0.0866, 0.0467

Previews

White Background



This preview shows how the XYZ color 18.0721, 9.8621, 31.9614 looks on a white background.

Color Contrast Check

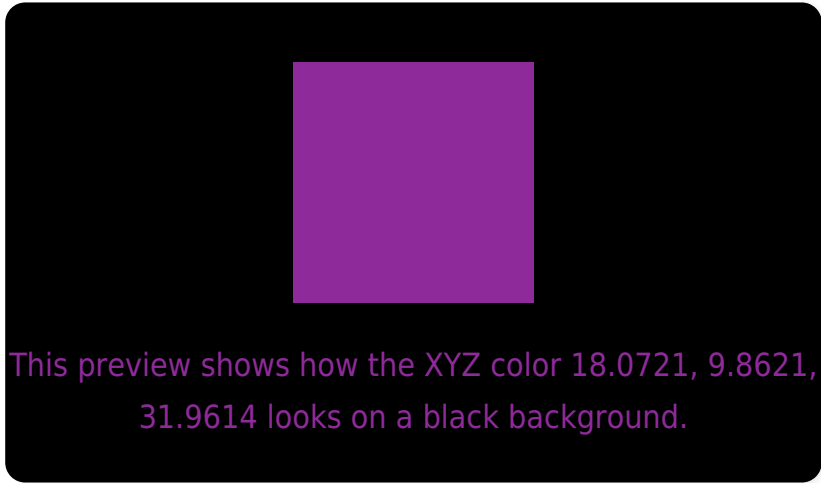
Large Text (above 18pt) WCAG AA ✓ Pass

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

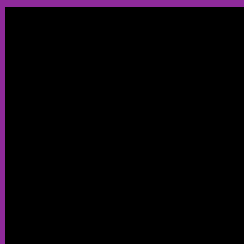
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0721, 9.8621, 31.9614

Background



This preview shows how black text looks on a background with the XYZ color 18.0721, 9.8621, 31.9614.



This preview shows how white text looks on a background with the XYZ color 18.0721, 9.8621, 31.9614.

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

18.0721, 9.8621, 31.9614

Protanopia

11.8750, 10.0745, 46.1184

Deuteranopia

10.3388, 10.1490, 29.0178



Tritanopia

13.1330, 9.8749, 7.8705

Trichromacy



Original Color

18.0721, 9.8621, 31.9614

Protanomaly

11.1492, 8.1275, 40.5163

Deuteranomaly

11.6339, 8.8984, 29.9585

Tritanomaly

14.4311, 9.5496, 14.1794

Monochromacy



Original Color

18.0721, 9.8621, 31.9614

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.8865, 8.4462, 15.8084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0721, 9.8621, 31.9614 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(143, 42, 155)` looks like.

```
.text, #text, p{  
    color:rgb(143, 42, 155)  
}
```

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(143, 42, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 42, 155) }
```

Border

The CSS property to change the border of an element to XYZ 18.0721, 9.8621, 31.9614 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(143, 42, 155) }
```


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

```
.border{ border-color:rgb(143, 42, 155) }
```

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

Here you see how a box with a 4 pixel rgb(143, 42, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 42, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 42, 155);  
box-shadow:4px 4px 4px 4px rgb(143, 42,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0721, 9.8621, 31.9614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 42, 155) }
```

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

```
.background{ background-color: rgb(143, 42,  
155) }
```

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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