

Converting Colors

XYZ(18.1157, 9.3872, 30.9942)

Have a look what the booklet for
XYZ(18.1157, 9.3872, 30.9942)
contains.

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Color

**XYZ(18.0938, 9.3909,
30.9960)**

Conversions

Conversions Part 1

Format	Color
Hex	921F99
RGB	146, 31, 153
RGB Percent	57%, 12%, 60%
CMY	0.4274, 0.8784, 0.4000
CMYK	0.05, 0.80, 0.00, 0.40
HSL	297°, 66%, 36%
HSV	297°, 80%, 60%
XYZ	18.0938, 9.3909, 30.9960
YIQ	79.2930, 29.3780, 62.3220

Conversions

Conversions Part 2

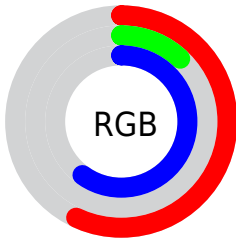
Format	Color
R_{YB}	146, 31, 153
Decimal	9576345
CIE _{Lab}	36.73, 60.36, -40.66
CIE _{LCh}	37, 72.778, 326.036
Yxy	9.3909, 0.3094, 0.1606
Android (android.graphics.Color)	4287766425 (0xFF921F99)
YUV	79.2930, 36.3376, 58.5020
Hunter-Lab	30.6446, 51.7656, -38.5187

Details

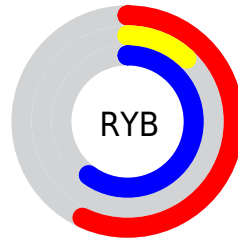
The XYZ color **18.0938, 9.3909, 30.9960** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.4383, 23.2937, 5.1374**, and the grayscale version is **7.4172, 7.8035, 8.4980**.

A 20% lighter version of the original color is **39.6699, 24.5629, 62.3248**, and **6.6633, 3.1637, 12.5714** is the 20% darker color. If you saturate the color by 10%, you get **17.6295, 8.6928, 30.8859**, and if you desaturate by 10%, it is **18.7497, 10.4698, 31.1698**.

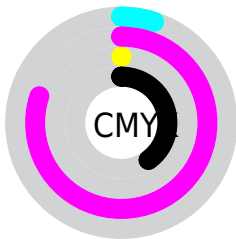
Distribution



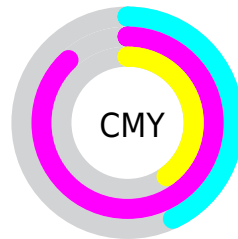
- Red (57%)
- Green (12%)
- Blue (60%)



- Red (57%)
- Yellow (12%)
- Blue (60%)



- Cyan (5%)
- Magenta (80%)
- Yellow (0%)
- Black (40%)





- Cyan (43%)
- Magenta (88%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0938, 9.3909, 30.9960 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 18.0938, 9.3909, 30.9960 by changing the saturation by 10% instead.


 18.0938, 9.3909,
30.9960


 18.0938, 9.3909,
30.9960


234.4346,
186.2678, 320.8705


 11.1174, 4.9970,
20.3374


 39.7259, 24.6434,
62.3133


 6.2138, 2.2455,
12.4540


 55.1124, 36.2707,
83.8090

 3.0174, 0.7446,
6.9274


 74.0330, 51.0781,
109.7542

 1.1630, 0.0000,
3.3390

 96.8530, 69.4497,
140.5673

 0.0768, 0.0000,
1.2702

 123.9378, 91.7702,
176.6670

 0.0000, 0.0000,
0.0372

 155.6528,

 0.0000, 0.0000,

118.4237, 218.4717

0.0000

192.3632,
149.7948, 266.4000

■ 18.0938, 9.3909,
30.9960

■ 18.0938, 9.3909,
30.9960

■ 17.6295, 8.6928,
30.8859

■ 18.7497, 10.4698,
31.1698

■ 17.2987, 8.2601,
30.8198

■ 19.6199, 11.9758,
31.4146

■ 17.2902, 8.2492,
30.8181

■ 20.7250, 13.9499,
31.7374

■ 22.0830, 16.4280,
32.1442

■ 23.7101, 19.4424,
32.6403

■ 25.6211, 23.0230,
33.2307

■ 27.8299, 27.1971,
33.9199

■ 30.3491, 31.9905,
34.7124

■ 33.1910, 37.4274,
35.6120

Harmonies

Analogous

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



13.2434, 9.3909, 51.9692



18.0938, 9.3909, 30.9960



20.5040, 9.3909, 12.0185

Triad

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



18.0938, 9.3909, 30.9960



9.5318, 9.3909, 0.0000



3.2253, 9.3909, 25.2359

Complementary

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



18.0938, 9.3909, 30.9960



12.4383, 23.2937, 5.1374

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.



2.8132, 9.3909, 8.6196



18.0938, 9.3909, 30.9960



5.6662, 9.3909, 0.0000

Square

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



18.0938, 9.3909, 30.9960



14.6245, 9.3909, 0.2069



3.5355, 9.3909, 1.7268



4.9412, 9.3909, 47.1105

Rectangle

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



18.0938, 9.3909, 30.9960



19.9636, 9.3909, 4.8309



3.5355, 9.3909, 1.7268



2.9607, 9.3909, 18.6198

Sweetspot

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



18.0942, 9.3913, 30.9962



44.1971, 38.0623, 58.9893



7.0452, 4.0516, 30.5479



9.5171, 7.9517, 12.9507



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.0942, 9.3913, 30.9962



31.1089, 14.9759, 55.2230



15.9340, 8.6754, 12.9260



6.4262, 6.3056, 7.8074



14.2996, 6.8228, 25.4710



0.2229, 0.1067, 0.3812

Inverse Universe

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



13.9771, 7.8926, 2.6210



23.7298, 12.3479, 1.7448



13.5517, 23.7121, 12.2236



6.2225, 6.2281, 6.5516



10.9015, 5.6148, 0.7403



0.1663, 0.0853, 0.0287

Previews

White Background



This preview shows how the XYZ color 18.0938, 9.3909, 30.9960 looks on a white background.

Color Contrast Check

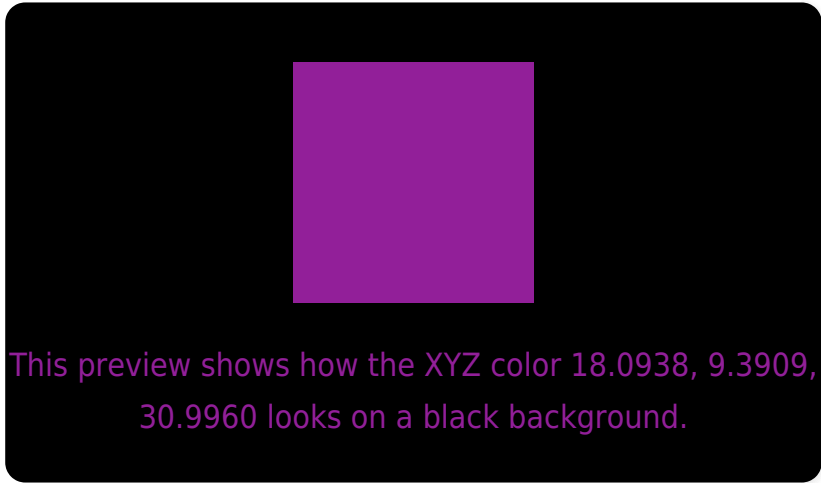
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0938, 9.3909, 30.9960

Background



This preview shows how black text looks on a background with the XYZ color 18.0938, 9.3909, 30.9960.



This preview shows how white text looks on a background with the XYZ color 18.0938, 9.3909,

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

18.0938, 9.3909, 30.9960

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.9658, 9.7276, 28.1404



Tritanopia

13.1491, 9.4570, 6.9267

Trichromacy



Original Color

18.0938, 9.3909, 30.9960



Protanomaly

10.6142, 7.4398, 38.9068



Deuteranomaly

11.1902, 8.1309, 28.9966



Tritanomaly

14.3886, 9.0418, 13.0435

Monochromacy



Original Color

18.0938, 9.3909, 30.9960



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

9.9177, 7.3694, 14.5354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0938, 9.3909, 30.9960 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(146, 31, 153)` looks like.

```
.text, #text, p{  
    color:rgb(146, 31, 153)  
}
```

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(146, 31, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 31, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.0938, 9.3909, 30.9960 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(146, 31, 153) }
```


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

```
.border{ border-color:rgb(146, 31, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 31, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 31, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 31, 153);  
box-shadow:4px 4px 4px 4px rgb(146, 31,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0938, 9.3909, 30.9960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 31, 153) }
```

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

```
.background{ background-color: rgb(146, 31,  
153) }
```

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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