

Converting Colors

XYZ(19.1249, 9.4626, 36.8952)

Have a look what the booklet for
XYZ(19.1249, 9.4626, 36.8952)
contains.

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Color

**XYZ(19.1837, 9.4925,
36.8975)**

Conversions

Conversions Part 1

Format	Color
Hex	9315A6
RGB	147, 21, 166
RGB Percent	58%, 8%, 65%
CMY	0.4235, 0.9176, 0.3490
CMYK	0.11, 0.87, 0.00, 0.35
HSL	292°, 78%, 37%
HSV	292°, 87%, 65%
XYZ	19.1837, 9.4925, 36.8975
YIQ	75.2040, 28.5510, 71.8070

Conversions

Conversions Part 2

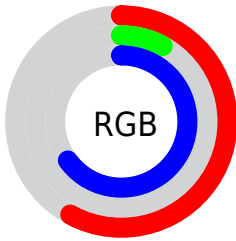
Format	Color
R_{YB}	147, 21, 166
Decimal	9639334
CIE _{Lab}	36.92, 65.21, -48.20
CIE _{LCh}	37, 81.089, 323.528
Yxy	9.4925, 0.2926, 0.1448
Android (android.graphics.Color)	4287829414 (0xFF9315A6)
YUV	75.2040, 44.7624, 62.9651
Hunter-Lab	30.8099, 57.2252, -49.4379

Details

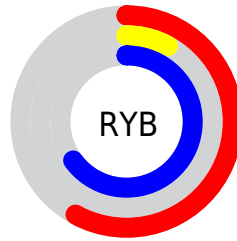
The XYZ color **19.1837, 9.4925, 36.8975** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.6469, 27.7779, 5.2994**, and the grayscale version is **6.6434, 6.9894, 7.6115**.

A 20% lighter version of the original color is **41.6894, 24.9086, 71.7178**, and **7.2950, 3.4164, 15.8977** is the 20% darker color. If you saturate the color by 10%, you get **18.5773, 8.8528, 36.8061**, and if you desaturate by 10%, it is **19.9902, 10.5205, 37.0536**.

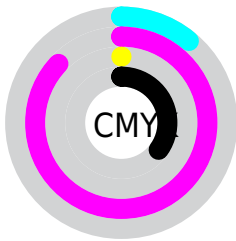
Distribution



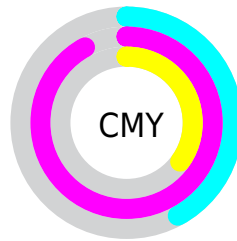
- Red (58%)
- Green (8%)
- Blue (65%)



- Red (58%)
- Yellow (8%)
- Blue (65%)



- Cyan (11%)
- Magenta (87%)
- Yellow (0%)
- Black (35%)



- Cyan (42%)
- Magenta (92%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1837, 9.4925, 36.8975 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 19.1837, 9.4925, 36.8975 by changing the saturation by 10% instead.

19.1837, 9.4925,
36.8975

19.1837, 9.4925,
36.8975

240.3797,
187.0106, 348.0219

11.9079, 5.0638,
24.8330

41.5588, 24.8365,
71.5997

6.7527, 2.2847,
15.7348

57.3887, 36.5205,
95.0744

3.3529, 0.7656,
9.1844

76.8007, 51.3918,
123.1896

1.3430, 0.0000,
4.7632

100.1602, 69.8347,
156.3639

0.2151, 0.0000,
2.0527

127.8325, 92.2337,
195.0157

0.0000, 0.0000,
0.5874

160.1829,

0.0000, 0.0000,

118.9730, 239.5636

0.0000

197.5769,
150.4372, 290.4261

■ 19.1837, 9.4925,
36.8975

■ 19.1837, 9.4925,
36.8975

■ 18.5773, 8.8528,
36.8061

■ 19.9902, 10.5205,
37.0536

■ 18.4281, 8.7049,
36.7855

■ 21.0396, 12.0237,
37.2884

■ 22.3604, 14.0587,
37.6116

■ 23.9768, 16.6737,
38.0311

■ 25.9102, 19.9116,
38.5542

■ 28.1801, 23.8113,
39.1873

■ 30.8044, 28.4083,
39.9363

■ 33.7996, 33.7357,
40.8067

■ 37.1811, 39.8246,
41.8038

Harmonies

Analogous

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



13.4347, 9.4925, 61.7890



19.1837, 9.4925, 36.8975



22.3594, 9.4925, 13.7639

Triad

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



19.1837, 9.4925, 36.8975



10.1511, 9.4925, 0.0000



2.7629, 9.4925, 25.7023

Complementary

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



19.1837, 9.4925, 36.8975



14.6469, 27.7779, 5.2994

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.



2.4407, 9.4925, 7.5300



19.1837, 9.4925, 36.8975



5.7003, 9.4925, 0.0000

Square

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



19.1837, 9.4925, 36.8975



16.0366, 9.4925, 0.0000



3.2856, 9.4925, 1.0845



4.4259, 9.4925, 52.1108

Rectangle

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



19.1837, 9.4925, 36.8975



21.9849, 9.4925, 5.1365



3.2856, 9.4925, 1.0845



2.5277, 9.4925, 18.2155

Sweetspot

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



19.1841, 9.4929, 36.8977



51.5294, 43.8843, 71.2299



7.9626, 4.4532, 36.5164



11.2052, 9.2553, 15.8480



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.1841, 9.4929, 36.8977



33.3171, 15.7325, 66.7560



18.9656, 9.8321, 16.4725



7.7438, 7.6160, 9.4802



14.3180, 6.7646, 28.5266



0.3742, 0.1779, 0.6953

Inverse Universe

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



16.3773, 8.7968, 2.8426



28.7554, 14.7992, 2.4649



15.1874, 27.9287, 11.0990



7.5696, 7.5577, 8.0510



12.3155, 6.3349, 1.2069



0.3113, 0.1588, 0.0910

Previews

White Background



This preview shows how the XYZ color 19.1837, 9.4925, 36.8975 looks on a white background.

Color Contrast Check

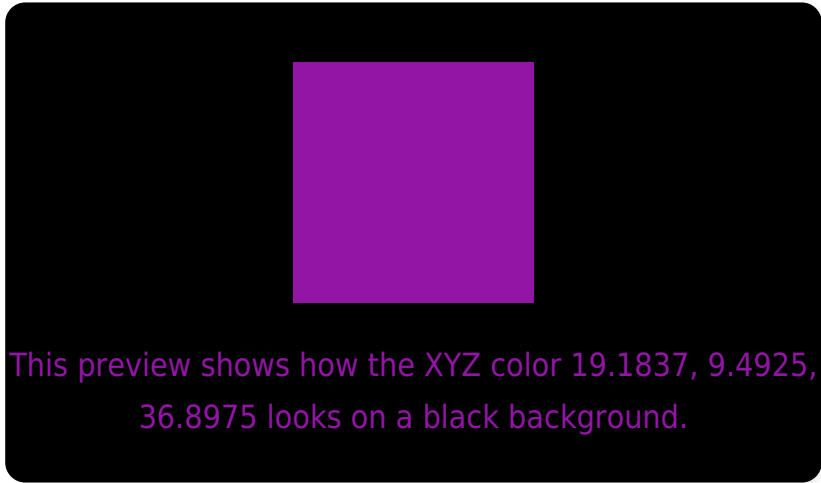
Large Text (above 18pt) WCAG AA ✓ Pass

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

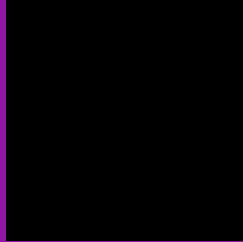
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.1837, 9.4925, 36.8975

Background



This preview shows how black text looks on a background with the XYZ color 19.1837, 9.4925, 36.8975.



This preview shows how white text looks on a background with the XYZ color 19.1837, 9.4925,

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

19.1837, 9.4925, 36.8975

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

10.0829, 9.9322, 32.8382



Tritanopia

13.1685, 9.6331, 7.2962

Trichromacy



Original Color

19.1837, 9.4925, 36.8975



Protanomaly

10.9287, 7.2973, 41.3900



Deuteranomaly

10.7612, 7.6207, 34.1615



Tritanomaly

14.3896, 8.8108, 14.5779

Monochromacy



Original Color

19.1837, 9.4925, 36.8975



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

9.4398, 6.5818, 14.9602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1837, 9.4925, 36.8975 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(147, 21, 166)` looks like.

```
.text, #text, p{  
    color:rgb(147, 21, 166)  
}
```

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(147, 21, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 21, 166) }
```

Border

The CSS property to change the border of an element to XYZ 19.1837, 9.4925, 36.8975 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(147, 21, 166) }
```


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

```
.border{ border-color:rgb(147, 21, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 21, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 21, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 21, 166);  
box-shadow:4px 4px 4px 4px rgb(147, 21,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1837, 9.4925, 36.8975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 21, 166) }
```

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

```
.background{ background-color: rgb(147, 21,  
166) }
```

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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