

Converting Colors

XYZ(18.1021, 7.4803, 37.2731)

Have a look what the booklet for
XYZ(18.1021, 7.4803, 37.2731)
contains.

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Color

**XYZ(18.8291, 8.9010,
37.2849)**

Conversions

Conversions Part 1

Format	Color
Hex	9200A7
RGB	146, 0, 167
RGB Percent	57%, 0%, 65%
CMY	0.4274, 1.0000, 0.3451
CMYK	0.13, 1.00, 0.00, 0.35
HSL	292°, 100%, 33%
HSV	292°, 100%, 65%
XYZ	18.8291, 8.9010, 37.2849
YIQ	62.6920, 33.4090, 82.8890

Conversions

Conversions Part 2

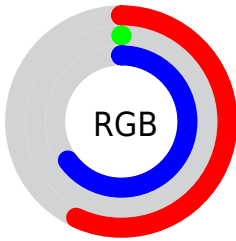
Format	Color
R_{YB}	146, 0, 167
Decimal	9568423
CIE _{Lab}	35.79, 68.23, -50.62
CIE _{LCh}	36, 84.959, 323.425
Yxy	8.9010, 0.2896, 0.1369
Android (android.graphics.Color)	4287758503 (0xFF9200A7)
YUV	62.6920, 51.4238, 73.0611
Hunter-Lab	29.8345, 60.4440, -53.2119

Details

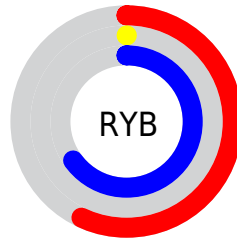
The XYZ color **18.8291, 8.9010, 37.2849** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.1283, 27.7971, 4.6210**, and the grayscale version is **4.6043, 4.8440, 5.2752**.

A 20% lighter version of the original color is **41.0171, 23.7570, 72.2358**, and **7.2537, 3.3886, 16.1913** is the 20% darker color. If you saturate the color by 10%, you get **18.8292, 8.9010, 37.2850**, and if you desaturate by 10%, it is **19.4022, 9.4874, 37.3680**.

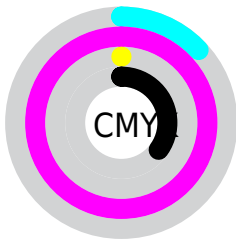
Distribution



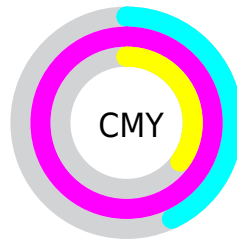
- Red (57%)
- Green (0%)
- Blue (65%)



- Red (57%)
- Yellow (0%)
- Blue (65%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (35%)



- Cyan (43%)
- Magenta (100%)
- Yellow (35%)
- Black (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8291, 8.9010, 37.2849 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 18.8291, 8.9010, 37.2849 by changing the saturation by 10% instead.

■ 18.8291, 8.9010,
37.2849

■ 18.8291, 8.9010,
37.2849

■ 238.4599,
182.6376, 349.7481

■ 11.6501, 4.6767,
25.1306

■ 40.9642, 23.7068,
72.2020

■ 6.5764, 2.0588,
15.9545

■ 56.6511, 35.0570,
95.8018

■ 3.2426, 0.6413,
9.3380

■ 75.9046, 49.5512,
124.0540

■ 1.2833, 0.0000,
4.8625

■ 99.0902, 67.5740,
157.3770

■ 0.1707, 0.0000,
2.1095

■ 126.5732, 89.5096,
196.1894

■ 0.0000, 0.0000,
0.6214

■ 158.7189,

■ 0.0000, 0.0000,

115.7425, 240.9097

0.0000

195.8927,
146.6570, 291.9564

■ 18.8291, 8.9010,
37.2849

■ 18.8291, 8.9010,
37.2849

■ 18.8292, 8.9010,
37.2850

■ 19.4022, 9.4874,
37.3680

■ 20.1452, 10.4038,
37.5057

■ 21.1258, 11.7852,
37.7207

■ 22.3740, 13.6913,
38.0228

■ 23.9151, 16.1730,
38.4206

■ 25.7716, 19.2750,
38.9215

■ 27.9638, 23.0378,
39.5323

■ 30.5101, 27.4983,
40.2590

■ 33.4276, 32.6907,
41.1075

Harmonies

Analogous

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



12.9103, 8.9010, 63.6801



18.8291, 8.9010, 37.2849



22.1401, 8.9010, 13.2165

Triad

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



18.8291, 8.9010, 37.2849



9.6149, 8.9010, 0.0000



2.3320, 8.9010, 25.3728

Complementary

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



18.8291, 8.9010, 37.2849



14.1283, 27.7971, 4.6210

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.



2.0353, 8.9010, 6.8569



18.8291, 8.9010, 37.2849



5.1719, 8.9010, 0.0000

Square

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



18.8291, 8.9010, 37.2849



15.6193, 8.9010, 0.0000



2.8325, 8.9010, 0.7752



3.9112, 8.9010, 53.2029

Rectangle

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



18.8291, 8.9010, 37.2849



21.7617, 8.9010, 4.5834



2.8325, 8.9010, 0.7752



2.1138, 8.9010, 17.6374

Sweetspot

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



18.8295, 8.9014, 37.2851



49.8494, 40.8572, 70.7342



7.2674, 3.3745, 36.8277



10.7855, 8.5048, 15.7253



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.



18.8295, 8.9014, 37.2851



33.6009, 15.8788, 66.7692



18.5261, 9.2516, 14.3825



7.7477, 7.6181, 9.4804



14.4365, 6.8257, 28.5321



0.3762, 0.1790, 0.6954

Inverse Universe

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



16.0720, 8.2699, 1.4591



28.7418, 14.7938, 2.3931



14.6677, 27.9771, 9.0759



7.5681, 7.5571, 8.0427



12.3088, 6.3322, 1.1718



0.3108, 0.1586, 0.0879

Previews

White Background



This preview shows how the XYZ color 18.8291, 8.9010, 37.2849 looks on a white background.

Color Contrast Check

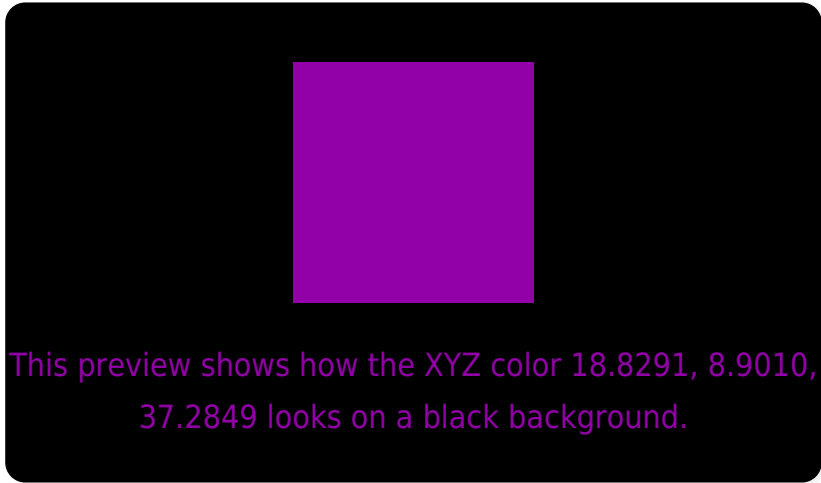
Large Text (above 18pt) WCAG AA ✓ Pass

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

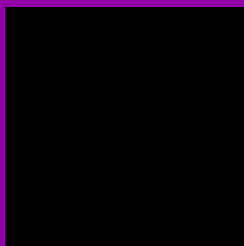
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8291, 8.9010, 37.2849

Background



This preview shows how black text looks on a background with the XYZ color 18.8291, 8.9010, 37.2849.



This preview shows how white text looks on a background with the XYZ color 18.8291, 8.9010,

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

18.8291, 8.9010, 37.2849

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.5755, 9.4138, 33.2106



Tritanopia

12.8273, 9.2911, 6.9116

Trichromacy



Original Color

18.8291, 8.9010, 37.2849



Protanomaly

10.2841, 6.3202, 40.2131



Deuteranomaly

9.3154, 6.1584, 34.4159



Tritanomaly

13.8240, 8.0091, 14.1819

Monochromacy



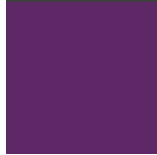
Original Color

18.8291, 8.9010, 37.2849



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.6220, 4.7843, 12.8337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8291, 8.9010, 37.2849 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, 0, 167)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 167)  
}
```

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, 0, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 167) }
```

Border

The CSS property to change the border of an element to XYZ 18.8291, 8.9010, 37.2849 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, 0, 167) }
```


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

```
.border{ border-color:rgb(146, 0, 167) }
```

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

Here you see how a box with a 4 pixel rgb(146, 0, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 167);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8291, 8.9010, 37.2849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 167) }
```

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

```
.background{ background-color: rgb(146, 0,  
167) }
```

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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