

Converting Colors

XYZ(18.6829, 9.0795, 25.8075)

Have a look what the booklet for
XYZ(18.6829, 9.0795, 25.8075)
contains.

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Color

**XYZ(18.7123, 9.0912,
25.9678)**

Conversions

Conversions Part 1

Format	Color
Hex	9D008D
RGB	157, 0, 141
RGB Percent	62%, 0%, 55%
CMY	0.3843, 0.9999, 0.4471
CMYK	0.00, 1.00, 0.10, 0.38
HSL	306°, 100%, 31%
HSV	306°, 100%, 62%
XYZ	18.7123, 9.0912, 25.9678
YIQ	63.0170, 48.3110, 77.1350

Conversions

Conversions Part 2

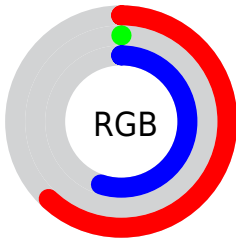
Format	Color
RYB	157, 0, 141
Decimal	10289293
CIELab	36.16, 66.05, -34.10
CIElCh	36, 74.329, 332.693
Yxy	9.0912, 0.3480, 0.1691
Android (android.graphics.Color)	4288479373 (0xFF9D008D)
YUV	63.0170, 38.4456, 82.4231
Hunter-Lab	30.1516, 58.0130, -29.9568

Details

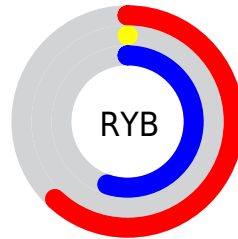
The XYZ color **18.7123, 9.0912, 25.9678** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.1510, 24.1517, 4.5123**, and the grayscale version is **4.6691, 4.9122, 5.3494**.

A 20% lighter version of the original color is **40.6706, 23.9792, 54.1146**, and **7.2123, 3.5049, 9.9692** is the 20% darker color. If you saturate the color by 10%, you get **18.7123, 9.0912, 25.9671**, and if you desaturate by 10%, it is **19.0136, 9.5015, 26.6600**.

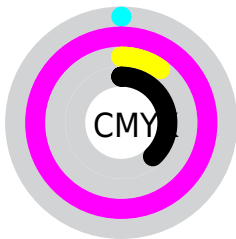
Distribution



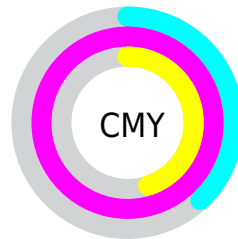
- Red (62%)
- Green (0%)
- Blue (55%)



- Red (62%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (38%)



- Cyan (38%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7123, 9.0912, 25.9678 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 18.7123, 9.0912, 25.9678 by changing the saturation by 10% instead.

18.7123, 9.0912,
25.9678

18.7123, 9.0912,
25.9678

237.8246,
184.0568, 296.2244

11.5653, 4.8007,
16.5740

40.7680, 24.0715,
54.2064

6.5185, 2.1308,
9.7725

56.4075, 35.5301,
73.8884

3.2065, 0.6819,
5.1448

75.6086, 50.1468,
97.8367

1.2639, 0.0000,
2.2722

98.7365, 68.3061,
126.4701

0.1559, 0.0000,
0.7156

126.1567, 90.3924,
160.2070

0.0000, 0.0000,
0.0000

158.2346,

116.7900, 199.4660

195.3354,
147.8833, 244.6657

■ 18.7123, 9.0912,
25.9678

■ 18.7123, 9.0912,
25.9678

■ 18.7123, 9.0912,
25.9671

■ 19.0136, 9.5015,
26.6600

■ 19.4551, 10.1899,
27.4075

■ 20.0988, 11.2799,
28.2309

■ 20.9702, 12.8224,
29.1388

■ 22.0911, 14.8610,
30.1384

■ 23.4806, 17.4341,
31.2363

■ 25.1560, 20.5763,
32.4382

■ 27.1333, 24.3193,
33.7494

■ 29.4270, 28.6924,
35.1749

Harmonies

Analogous

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



14.1459, 9.0912, 48.2542



18.7123, 9.0912, 25.9678



20.3401, 9.0912, 8.7897

Triad

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



18.7123, 9.0912, 25.9678



8.2444, 9.0912, 0.0000



3.2490, 9.0912, 29.9558

Complementary

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



18.7123, 9.0912, 25.9678



12.1510, 24.1517, 4.5123

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.



2.5960, 9.0912, 11.0974



18.7123, 9.0912, 25.9678



4.7892, 9.0912, 0.0000

Square

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



18.7123, 9.0912, 25.9678



13.1990, 9.0912, 0.0000



3.0437, 9.0912, 2.3686



5.2754, 9.0912, 51.6465

Rectangle

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



18.7123, 9.0912, 25.9678



19.2046, 9.0912, 3.1280



3.0437, 9.0912, 2.3686



2.9006, 9.0912, 22.7084

Sweetspot

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



18.7126, 9.0917, 25.9680



44.8599, 36.4885, 57.9610



6.2949, 2.5424, 32.0574



9.6027, 7.5243, 12.5653



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.



18.7126, 9.0917, 25.9680



33.4707, 16.2649, 46.2884



14.7969, 7.5253, 5.3478



6.8750, 6.7429, 8.1929



15.2055, 7.3868, 21.1312



0.2794, 0.1351, 0.4176

Inverse Universe

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



18.7126, 9.0917, 25.9680



33.4707, 16.2649, 46.2884



14.0870, 24.9261, 14.7074



6.8750, 6.7429, 8.1929



15.2055, 7.3868, 21.1312



0.2794, 0.1351, 0.4176

Previews

White Background



This preview shows how the XYZ color 18.7123, 9.0912, 25.9678 looks on a white background.

Color Contrast Check

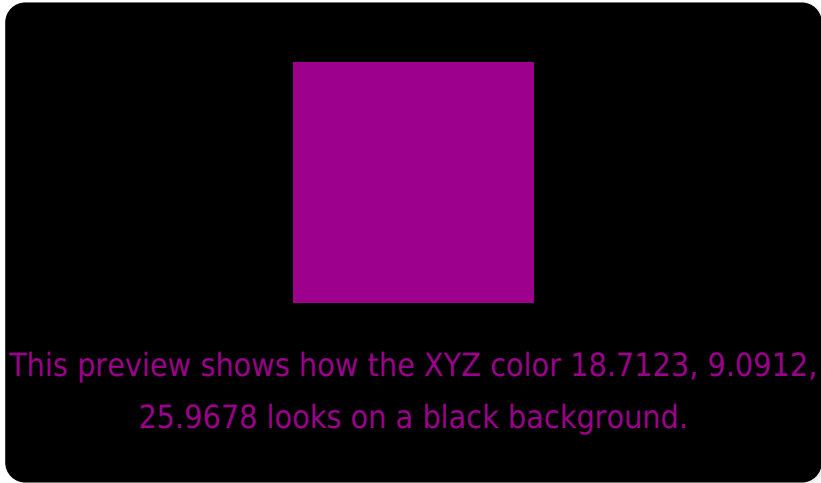
Large Text (above 18pt) WCAG AA ✓ Pass

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

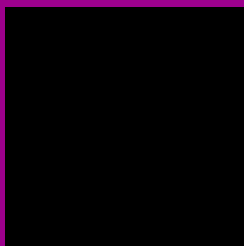
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7123, 9.0912, 25.9678

Background



This preview shows how black text looks on a background with the XYZ color 18.7123, 9.0912, 25.9678.



This preview shows how white text looks on a background with the XYZ color 18.7123, 9.0912,

25.9678.

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

18.7123, 9.0912, 25.9678

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.8878, 9.6756, 23.1762



Tritanopia

14.5500, 9.4377, 5.1925

Trichromacy



Original Color

18.7123, 9.0912, 25.9678



Protanomaly

9.8894, 6.2614, 36.7637



Deuteranomaly

10.9949, 7.1910, 23.7302



Tritanomaly

15.3531, 8.5987, 10.3017

Monochromacy



Original Color

18.7123, 9.0912, 25.9678



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.5769, 4.8143, 10.4274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7123, 9.0912, 25.9678 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(157, 0, 141)` looks like.

```
.text, #text, p{  
    color:rgb(157, 0, 141)  
}
```

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(157, 0, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 0, 141) }
```

Border

The CSS property to change the border of an element to XYZ 18.7123, 9.0912, 25.9678 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(157, 0, 141) }
```


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

```
.border{ border-color:rgb(157, 0, 141) }
```

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

Here you see how a box with a 4 pixel rgb(157, 0, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(157, 0,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7123, 9.0912, 25.9678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 0, 141) }
```

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

```
.background{ background-color: rgb(157, 0,  
141) }
```

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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