

Converting Colors

XYZ(18.5212, 9.2181, 23.3805)

Have a look what the booklet for
XYZ(18.5212, 9.2181, 23.3805)
contains.

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Color

**XYZ(18.5122, 9.2074,
23.3558)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0A86
RGB	158, 10, 134
RGB Percent	62%, 4%, 53%
CMY	0.3804, 0.9607, 0.4745
CMYK	0.00, 0.94, 0.15, 0.38
HSL	310°, 88%, 33%
HSV	310°, 94%, 62%
XYZ	18.5122, 9.2074, 23.3558
YIQ	68.3880, 48.4040, 69.9400

Conversions

Conversions Part 2

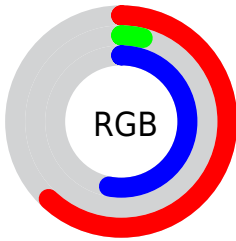
Format	Color
RYB	158, 10, 134
Decimal	10357382
CIELab	36.38, 64.05, -29.41
CIElCh	36, 70.481, 335.337
Yxy	9.2074, 0.3624, 0.1803
Android (android.graphics.Color)	4288547462 (0xFF9E0A86)
YUV	68.3880, 32.3467, 78.5897
Hunter-Lab	30.3437, 55.7985, -24.3954

Details

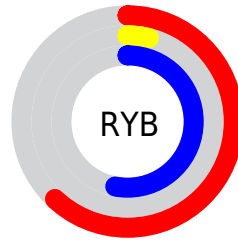
The XYZ color **18.5122, 9.2074, 23.3558** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **12.6414, 24.6342, 5.6033**, and the grayscale version is **5.5025, 5.7890, 6.3043**.

A 20% lighter version of the original color is **40.4133, 24.2644, 50.1304**, and **7.0797, 3.4649, 8.6831** is the 20% darker color. If you saturate the color by 10%, you get **18.2913, 8.9454, 22.7275**, and if you desaturate by 10%, it is **18.9501, 9.7935, 24.3944**.

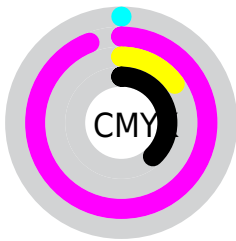
Distribution



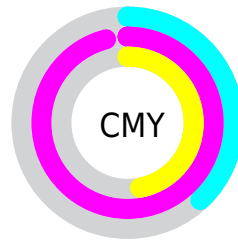
- Red (62%)
- Green (4%)
- Blue (53%)



- Red (62%)
- Yellow (4%)
- Blue (53%)



- Cyan (0%)
- Magenta (94%)
- Yellow (15%)
- Black (38%)



- Cyan (38%)
- Magenta (96%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5122, 9.2074, 23.3558 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 18.5122, 9.2074, 23.3558 by changing the saturation by 10% instead.

18.5122, 9.2074,
23.3558

18.5122, 9.2074,
23.3558

236.7326,
184.9176, 282.7281

11.4203, 4.8767,
14.6487

40.4315, 24.2936,
49.9075

6.4196, 2.1751,
8.4293

55.9895, 35.8179,
68.5891

3.1449, 0.7064,
4.2792

75.1003, 50.5089,
91.4327

1.2309, 0.0000,
1.7797

98.1291, 68.7510,
118.8567

0.1305, 0.0000,
0.4145

125.4414, 90.9285,
151.2797

0.0000, 0.0000,
0.0000

157.4025,

117.4258, 189.1202

194.3778,
148.6274, 232.7969

■ 18.5122, 9.2074,
23.3558

■ 18.5122, 9.2074,
23.3558

■ 18.2913, 8.9454,
22.7275

■ 18.9501, 9.7935,
24.3944

■ 19.5845, 10.7658,
25.5199

■ 20.4436, 12.1805,
26.7421

■ 21.5507, 14.0841,
28.0687

■ 22.9263, 16.5175,
29.5067

■ 24.5885, 19.5171,
31.0624

■ 26.5541, 23.1161,
32.7414

■ 28.8383, 27.3451,
34.5490

■ 31.4554, 32.2328,
36.4901

Harmonies

Analogous

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



14.3990, 9.2074, 43.9503



18.5122, 9.2074, 23.3558



19.7107, 9.2074, 7.9969

Triad

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



18.5122, 9.2074, 23.3558



8.0110, 9.2074, 0.0000



3.6236, 9.2074, 30.6508

Complementary

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



18.5122, 9.2074, 23.3558



12.6414, 24.6342, 5.6033

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.



2.8647, 9.2074, 12.3706



18.5122, 9.2074, 23.3558



4.8155, 9.2074, 0.3656

Square

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



18.5122, 9.2074, 23.3558



12.6362, 9.2074, 0.0000



3.2164, 9.2074, 3.0742



5.7575, 9.2074, 50.0609

Rectangle

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



18.5122, 9.2074, 23.3558



18.4452, 9.2074, 2.9619



3.2164, 9.2074, 3.0742



3.2374, 9.2074, 23.7978

Sweetspot

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



18.5125, 9.2079, 23.3560



46.4067, 38.6448, 57.9390



6.8827, 2.9966, 32.5638



10.1431, 8.1294, 12.7851



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.5125, 9.2079, 23.3560



33.1544, 16.2198, 40.9444



15.0738, 7.8324, 5.2476



6.8579, 6.7361, 8.1029



14.6615, 7.1692, 18.2661



0.2734, 0.1327, 0.3859

Inverse Universe

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



18.5125, 9.2079, 23.3560



33.1544, 16.2198, 40.9444



14.9646, 25.5635, 17.8375



6.8579, 6.7361, 8.1029



14.6615, 7.1692, 18.2661



0.2734, 0.1327, 0.3859

Previews

White Background



This preview shows how the XYZ color 18.5122, 9.2074, 23.3558 looks on a white background.

Color Contrast Check

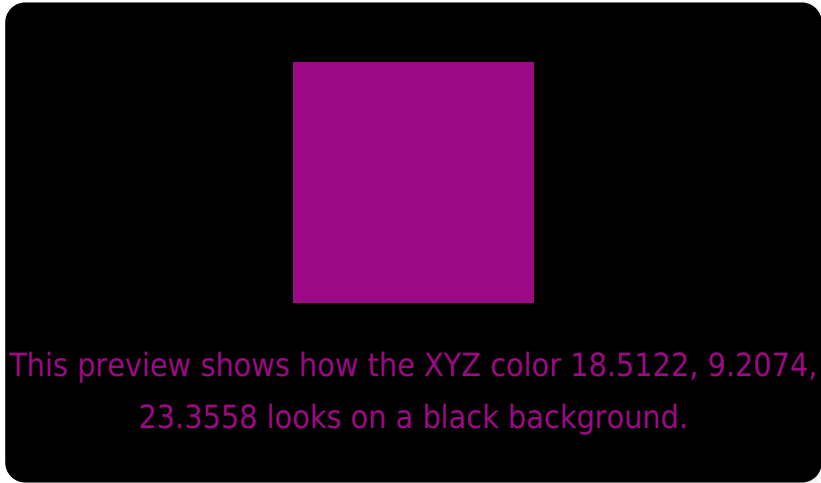
Large Text (above 18pt) WCAG AA ✓ Pass

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

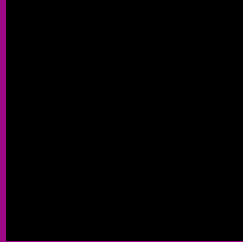
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5122, 9.2074, 23.3558

Background



This preview shows how black text looks on a background with the XYZ color 18.5122, 9.2074, 23.3558.



This preview shows how white text looks on a background with the XYZ color 18.5122, 9.2074,

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

18.5122, 9.2074, 23.3558

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.9217, 9.7392, 21.0956



Tritanopia

14.7494, 9.4110, 4.7805

Trichromacy



Original Color

18.5122, 9.2074, 23.3558



Protanomaly

9.8113, 6.5403, 35.3956



Deuteranomaly

11.2353, 7.6560, 21.6545



Tritanomaly

15.5882, 8.8333, 9.2709

Monochromacy



Original Color

18.5122, 9.2074, 23.3558



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

8.3151, 5.5724, 10.7625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5122, 9.2074, 23.3558 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(158, 10, 134)` looks like.

```
.text, #text, p{  
    color:rgb(158, 10, 134)  
}
```

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(158, 10, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 10, 134) }
```

Border

The CSS property to change the border of an element to XYZ 18.5122, 9.2074, 23.3558 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(158, 10, 134) }
```


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

```
.border{ border-color:rgb(158, 10, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 10, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 10, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 10, 134);  
box-shadow:4px 4px 4px 4px rgb(158, 10,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5122, 9.2074, 23.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 10, 134) }
```

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

```
.background{ background-color: rgb(158, 10,  
134) }
```

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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