

Converting Colors

XYZ(18.9915, 9.2864, 23.6652)

Have a look what the booklet for
XYZ(18.9915, 9.2864, 23.6652)
contains.

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Color

**XYZ(19.0711, 9.3263,
23.7167)**

Conversions

Conversions Part 1

Format	Color
Hex	A10087
RGB	161, 0, 135
RGB Percent	63%, 0%, 53%
CMY	0.3686, 0.9999, 0.4706
CMYK	0.00, 1.00, 0.16, 0.37
HSL	310°, 100%, 32%
HSV	310°, 100%, 63%
XYZ	19.0711, 9.3263, 23.7167
YIQ	63.5290, 52.6210, 76.1170

Conversions

Conversions Part 2

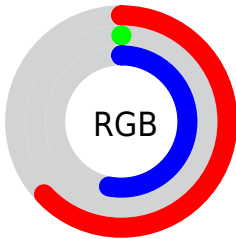
Format	Color
RYB	161, 0, 135
Decimal	10551431
CIELab	36.61, 65.97, -29.64
CIElCh	37, 72.323, 335.808
Yxy	9.3263, 0.3659, 0.1790
Android (android.graphics.Color)	4288741511 (0xFFA10087)
YUV	63.5290, 35.2352, 85.4821
Hunter-Lab	30.5390, 58.0271, -24.6676

Details

The XYZ color **19.0711, 9.3263, 23.7167** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.9318, 25.5647, 5.2312**, and the grayscale version is **4.7483, 4.9955, 5.4401**.

A 20% lighter version of the original color is **41.2674, 24.4715, 50.6926**, and **7.4654, 3.6591, 8.9071** is the 20% darker color. If you saturate the color by 10%, you get **19.0710, 9.3263, 23.7158**, and if you desaturate by 10%, it is **19.4437, 9.7746, 24.7553**.

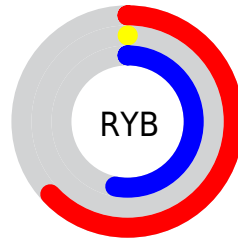
Distribution



Red (63%)

Green (0%)

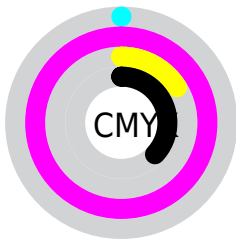
Blue (53%)



Red (63%)

Yellow (0%)

Blue (53%)

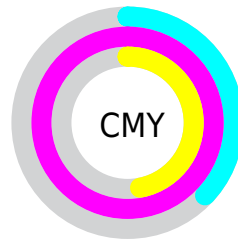


Cyan (0%)

Magenta (100%)

Yellow (16%)

Black (37%)



Cyan (37%)


Magenta (100%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0711, 9.3263, 23.7167 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 19.0711, 9.3263, 23.7167 by changing the saturation by 10% instead.


 19.0711, 9.3263,
23.7167


 19.0711, 9.3263,
23.7167


239.7716,
185.7938, 284.6254


 11.8260, 4.9546,
14.9133


 41.3701, 24.5204,
50.5055


 6.6966, 2.2207,
8.6126

 57.1548, 36.1116,
69.3281


 3.3178, 0.7312,
4.3961

 76.5166, 50.8781,
92.3274

 1.3239, 0.0000,
1.8450

 99.8211, 69.2043,
119.9221

 0.2010, 0.0000,
0.4574

 127.4334, 91.4745,
152.5308

 0.0000, 0.0000,
0.0000

 159.7190,

118.0733, 190.5718

197.0433,
149.3849, 234.4638

■ 19.0711, 9.3263,
23.7167

■ 19.0711, 9.3263,
23.7167

■ 19.0710, 9.3263,
23.7158

■ 19.4437, 9.7746,
24.7553

■ 19.9689, 10.5213,
25.8670

■ 20.7109, 11.6942,
27.0734

■ 21.6969, 13.3479,
28.3835

■ 22.9502, 15.5287,
29.8055

■ 24.4911, 18.2775,
31.3461

■ 26.3382, 21.6311,
33.0118

■ 28.5084, 25.6233,
34.8082

■ 31.0172, 30.2854,
36.7408

Harmonies

Analogous

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



14.8108, 9.3263, 45.3413



19.0711, 9.3263, 23.7167



20.2640, 9.3263, 7.8894

Triad

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



19.0711, 9.3263, 23.7167



8.0334, 9.3263, 0.0000



3.6114, 9.3263, 32.0296

Complementary

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



19.0711, 9.3263, 23.7167



12.9318, 25.5647, 5.2312

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.



2.8203, 9.3263, 12.8169



19.0711, 9.3263, 23.7167



4.7702, 9.3263, 0.3118

Square

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



19.0711, 9.3263, 23.7167



12.8144, 9.3263, 0.0000



3.1599, 9.3263, 3.0986



5.8230, 9.3263, 52.3394

Rectangle

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



19.0711, 9.3263, 23.7167



18.9030, 9.3263, 2.8255



3.1599, 9.3263, 3.0986



3.2111, 9.3263, 24.8271

Sweetspot

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



19.0714, 9.3268, 23.7169



46.9640, 38.3640, 58.9434



6.8139, 2.7698, 33.8940



10.0018, 7.8707, 12.6643



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.



19.0714, 9.3268, 23.7169



34.0930, 16.6780, 42.1491



15.4209, 7.8666, 4.4935



7.3150, 7.1824, 8.6450



15.2439, 7.4536, 19.0069



0.3326, 0.1616, 0.4644

Inverse Universe

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



19.0714, 9.3268, 23.7169



34.0930, 16.6780, 42.1491



15.2774, 26.5029, 17.5826



7.3150, 7.1824, 8.6450



15.2439, 7.4536, 19.0069



0.3326, 0.1616, 0.4644

Previews

White Background



This preview shows how the XYZ color 19.0711, 9.3263, 23.7167 looks on a white background.

Color Contrast Check

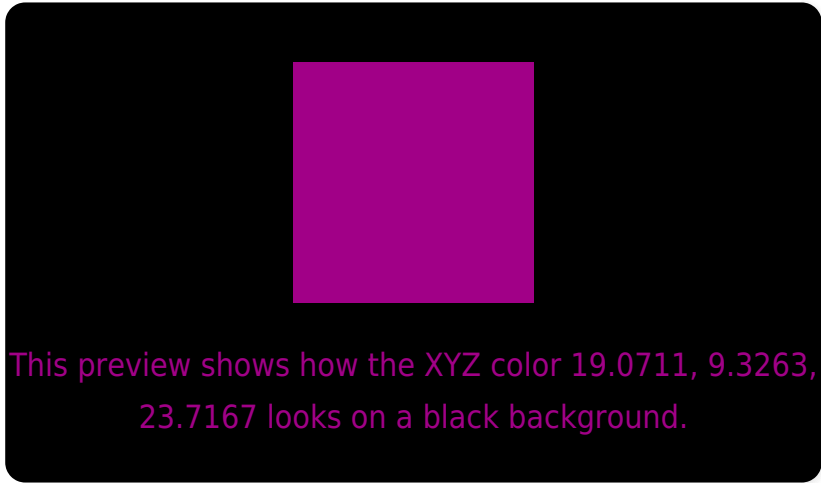
Large Text (above 18pt) WCAG AA ✓ Pass

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

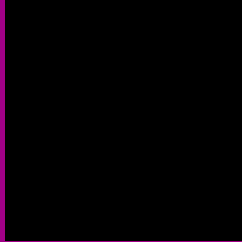
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.0711, 9.3263, 23.7167

Background



This preview shows how black text looks on a background with the XYZ color 19.0711, 9.3263, 23.7167.



This preview shows how white text looks on a background with the XYZ color 19.0711, 9.3263,

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

19.0711, 9.3263, 23.7167

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

10.2221, 10.0076, 21.4716



Tritanopia

15.3133, 9.7018, 4.8069

Trichromacy



Original Color

19.0711, 9.3263, 23.7167



Protanomaly

9.9614, 6.3788, 36.3035



Deuteranomaly

11.3873, 7.5042, 21.9674



Tritanomaly

16.1163, 8.9680, 9.4759

Monochromacy



Original Color

19.0711, 9.3263, 23.7167



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.7840, 4.9767, 10.2232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0711, 9.3263, 23.7167 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(161, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 135)  
}
```

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(161, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 135) }
```

Border

The CSS property to change the border of an element to XYZ 19.0711, 9.3263, 23.7167 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(161, 0, 135) }
```


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

```
.border{ border-color:rgb(161, 0, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 0, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(161, 0,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0711, 9.3263, 23.7167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 135) }
```

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

```
.background{ background-color: rgb(161, 0,  
135) }
```

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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