

Converting Colors

XYZ(15.8848, 7.7100, 22.3818)

Have a look what the booklet for
XYZ(15.8848, 7.7100, 22.3818)
contains.

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Color

**XYZ(15.8419, 7.6857,
22.4783)**

Conversions

Conversions Part 1

Format	Color
Hex	910084
RGB	145, 0, 132
RGB Percent	57%, 0%, 52%
CMY	0.4314, 0.9999, 0.4824
CMYK	0.00, 1.00, 0.09, 0.43
HSL	305°, 100%, 28%
HSV	305°, 100%, 57%
XYZ	15.8419, 7.6857, 22.4783
YIQ	58.4030, 44.0480, 71.7920

Conversions

Conversions Part 2

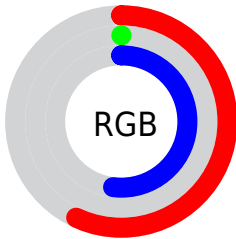
Format	Color
RYB	145, 0, 132
Decimal	9502852
CIELab	33.32, 62.58, -33.17
CIELCh	33, 70.828, 332.075
Yxy	7.6857, 0.3443, 0.1671
Android (android.graphics.Color)	4287692932 (0xFF910084)
YUV	58.4030, 36.2833, 75.9456
Hunter-Lab	27.7231, 53.4854, -28.6671

Details

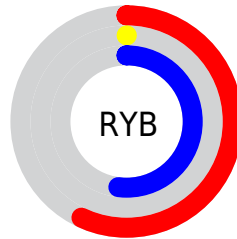
The XYZ color **15.8419, 7.6857, 22.4783** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **10.1984, 20.2802, 3.7583**, and the grayscale version is **4.0256, 4.2353, 4.6122**.

A 20% lighter version of the original color is **35.8045, 21.2706, 48.6729**, and **5.7394, 2.7829, 8.2173** is the 20% darker color. If you saturate the color by 10%, you get **15.8419, 7.6857, 22.4779**, and if you desaturate by 10%, it is **16.0956, 8.0497, 23.0047**.

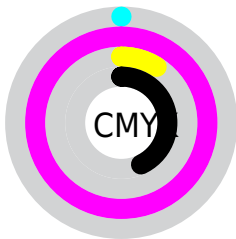
Distribution



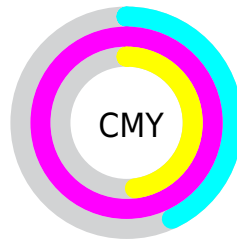
- Red (57%)
- Green (0%)
- Blue (52%)



- Red (57%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8419, 7.6857, 22.4783 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 15.8419, 7.6857, 22.4783 by changing the saturation by 10% instead.

■ 15.8419, 7.6857,
22.4783

■ 15.8419, 7.6857,
22.4783

221.6958,
173.2456, 278.0685

■ 9.5025, 3.8945,
14.0071

■ 35.8832, 21.3399,
48.4475

■ 5.1301, 1.6147,
7.9868

■ 50.3158, 31.9718,
66.7827

■ 2.3593, 0.3675,
3.9988

■ 68.1768, 45.6526,
89.2429

■ 0.8248, 0.0000,
1.6247

■ 89.8316, 62.7668,
116.2466


■ 0.0000, 0.0000,
0.3084


■ 115.6455, 83.6989,
148.2126

■ 0.0000, 0.0000,
0.0000


■ 145.9840,

108.8331, 185.5592


 181.2123,
138.5539, 228.7050


 15.8419, 7.6857,
22.4783


 15.8419, 7.6857,
22.4783

 15.8419, 7.6857,
22.4779

 16.0956, 8.0497,
23.0047

 16.4620, 8.6373,
23.5740

 16.9968, 9.5600,
24.2050

 17.7208, 10.8594,
24.9046

 18.6518, 12.5710,
25.6788

■ 19.8056, 14.7263,
26.5328

■ 21.1964, 17.3538,
27.4713

■ 22.8371, 20.4793,
28.4988

■ 24.7399, 24.1272,
29.6193

Harmonies

Analogous

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



11.9088, 7.6857, 41.5359



15.8419, 7.6857, 22.4783



17.3010, 7.6857, 7.6340

Triad

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



15.8419, 7.6857, 22.4783



7.0439, 7.6857, 0.0000



2.7003, 7.6857, 25.1085

Complementary

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



15.8419, 7.6857, 22.4783



10.1984, 20.2802, 3.7583

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.



2.1681, 7.6857, 9.1485



15.8419, 7.6857, 22.4783



4.0732, 7.6857, 0.0000

Square

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



15.8419, 7.6857, 22.4783



11.2858, 7.6857, 0.0000



2.5665, 7.6857, 1.8987



4.3914, 7.6857, 43.7779

Rectangle

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



15.8419, 7.6857, 22.4783



16.3755, 7.6857, 2.7130



2.5665, 7.6857, 1.8987



2.4128, 7.6857, 18.9439

Sweetspot

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



15.8422, 7.6861, 22.4784



37.7877, 30.7524, 49.0852



5.2640, 2.1236, 26.9207



8.1896, 6.4309, 10.7762



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.8422, 7.6861, 22.4784



28.3372, 13.7506, 40.0795



12.5042, 6.3509, 4.9010



5.6057, 5.5028, 6.6876



13.5930, 6.5942, 19.3056



0.1339, 0.0646, 0.2054

Inverse Universe

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



15.8422, 7.6861, 22.4784



28.3372, 13.7506, 40.0795



11.7491, 20.9005, 11.9241



5.6057, 5.5028, 6.6876



13.5930, 6.5942, 19.3056



0.1339, 0.0646, 0.2054

Previews

White Background



This preview shows how the XYZ color 15.8419, 7.6857, 22.4783 looks on a white background.

Color Contrast Check

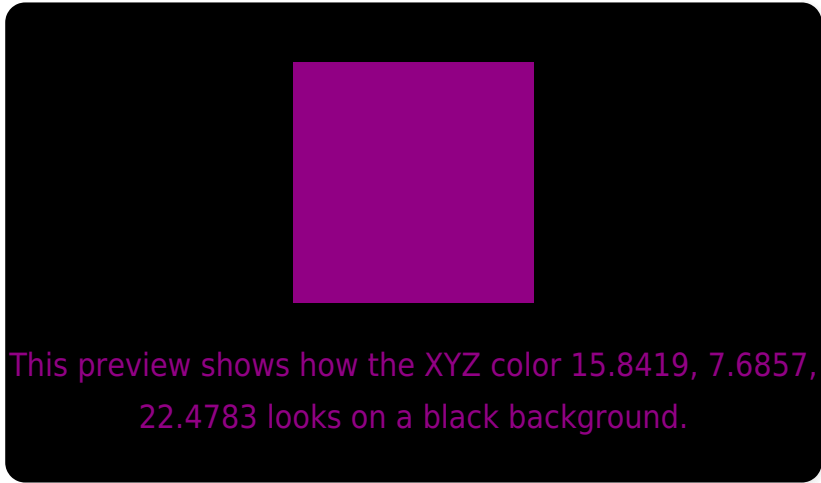
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8419, 7.6857, 22.4783

Background



This preview shows how black text looks on a background with the XYZ color 15.8419, 7.6857, 22.4783.



This preview shows how white text looks on a background with the XYZ color 15.8419, 7.6857,

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

15.8419, 7.6857, 22.4783

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.5050, 8.3322, 20.2288



Tritanopia

12.3988, 8.1351, 4.5312

Trichromacy



Original Color

15.8419, 7.6857, 22.4783



Protanomaly

8.4415, 5.3712, 31.1637



Deuteranomaly

9.4724, 6.2636, 20.7884



Tritanomaly

13.0897, 7.3750, 8.9172

Monochromacy



Original Color

15.8419, 7.6857, 22.4783



Achromatopsia

4.0217, 4.2311, 4.6077



Achromatomaly

6.5177, 4.1527, 9.0524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8419, 7.6857, 22.4783 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(145, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(145, 0, 132)  
}
```

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(145, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 132) }
```

Border

The CSS property to change the border of an element to XYZ 15.8419, 7.6857, 22.4783 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(145, 0, 132) }
```


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

```
.border{ border-color:rgb(145, 0, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 0, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(145, 0,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8419, 7.6857, 22.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 132) }
```

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

```
.background{ background-color: rgb(145, 0,  
132) }
```

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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