

Converting Colors

XYZ(16.7903, 8.5572, 19.2200)

Have a look what the booklet for
XYZ(16.7903, 8.5572, 19.2200)
contains.

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Color

**XYZ(16.8502, 8.5783,
19.1800)**

Conversions

Conversions Part 1

Format	Color
Hex	99117A
RGB	153, 17, 122
RGB Percent	60%, 7%, 48%
CMY	0.4000, 0.9333, 0.5216
CMYK	0.00, 0.89, 0.20, 0.40
HSL	314°, 80%, 33%
HSV	314°, 89%, 60%
XYZ	16.8502, 8.5783, 19.1800
YIQ	69.6340, 47.3510, 61.4870

Conversions

Conversions Part 2

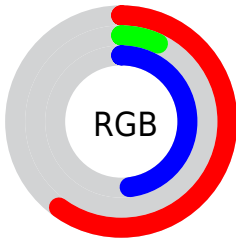
Format	Color
R_{YB}	153, 17, 122
Decimal	10031482
CIE _{Lab}	35.16, 60.37, -23.91
CIE _{LCh}	35, 64.930, 338.395
Yxy	8.5783, 0.3777, 0.1923
Android (android.graphics.Color)	4288221562 (0xFF99117A)
YUV	69.6340, 25.8164, 73.1120
Hunter-Lab	29.2887, 51.4381, -18.3245

Details

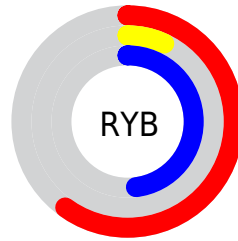
The XYZ color **16.8502, 8.5783, 19.1800** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.1564, 23.1155, 6.6185**, and the grayscale version is **5.7150, 6.0126, 6.5477**.

A 20% lighter version of the original color is **37.6951, 23.1305, 43.0353**, and **6.1324, 3.0224, 6.5635** is the 20% darker color. If you saturate the color by 10%, you get **16.4561, 8.1297, 18.0015**, and if you desaturate by 10%, it is **17.3949, 9.3154, 20.4471**.

Distribution



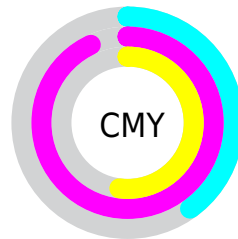
- Red (60%)
- Green (7%)
- Blue (48%)



- Red (60%)
- Yellow (7%)
- Blue (48%)



- Cyan (0%)
- Magenta (89%)
- Yellow (20%)
- Black (40%)



- Cyan (40%)
- Magenta (93%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8502, 8.5783, 19.1800 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 16.8502, 8.5783, 19.1800 by changing the saturation by 10% instead.

■ 16.8502, 8.5783,
19.1800

■ 16.8502, 8.5783,
19.1800

227.4808,
180.2001, 259.8964

■ 10.2224, 4.4672,
11.6223

■ 37.6137, 23.0846,
42.8788

■ 5.6101, 1.9382,
6.3676

■ 52.4801, 34.2485,
59.8569

■ 2.6478, 0.5712,
2.9975

■ 70.8234, 48.5322,
80.8123

■ 0.9704, 0.0000,
1.0934

■ 93.0089, 66.3200,
106.1634

■ 0.0000, 0.0000,
0.0000

■ 119.4021, 87.9962,
136.3289

■ 150.3682,

113.9454, 171.7272

186.2726,
144.5519, 212.7768

■ 16.8502, 8.5783,
19.1800

■ 16.8502, 8.5783,
19.1800

■ 16.4561, 8.1297,
18.0015

■ 17.3949, 9.3154,
20.4471

■ 16.4143, 8.0833,
17.8728

■ 18.1390, 10.4389,
21.8193

■ 19.1062, 11.9962,
23.3050

■ 20.3169, 14.0273,
24.9112

■ 21.7887, 16.5680,
26.6443

■ 23.5379, 19.6503,
28.5100

■ 25.5792, 23.3038,
30.5136

■ 27.9265, 27.5557,
32.6601

■ 30.5924, 32.4318,
34.9540

Harmonies

Analogous

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



13.4945, 8.5783, 36.6274



16.8502, 8.5783, 19.1800



17.5556, 8.5783, 6.6410

Triad

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



16.8502, 8.5783, 19.1800



7.1465, 8.5783, 0.0000



3.7111, 8.5783, 28.9007

Complementary

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



16.8502, 8.5783, 19.1800



12.1564, 23.1155, 6.6185

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.



2.9023, 8.5783, 12.6869



16.8502, 8.5783, 19.1800



4.4484, 8.5783, 0.6803

Square

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



16.8502, 8.5783, 19.1800



11.1033, 8.5783, 0.0175



3.1230, 8.5783, 3.6179



5.7786, 8.5783, 44.6377

Rectangle

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



16.8502, 8.5783, 19.1800



16.2721, 8.5783, 2.5644



3.1230, 8.5783, 3.6179



3.3170, 8.5783, 22.9837

Sweetspot

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



16.8505, 8.5787, 19.1802



42.6152, 36.0127, 51.5269



7.0987, 3.2931, 30.3988



9.1798, 7.5433, 11.1422



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.8505, 8.5787, 19.1802



29.3227, 14.4468, 31.6224



14.0403, 7.4547, 4.3817



6.4009, 6.2995, 7.4915



13.5790, 6.6858, 14.8400



0.2162, 0.1052, 0.2916

Inverse Universe

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



16.8505, 8.5787, 19.1802



29.3227, 14.4468, 31.6224



14.6868, 24.1276, 19.9433



6.4009, 6.2995, 7.4915



13.5790, 6.6858, 14.8400



0.2162, 0.1052, 0.2916

Previews

White Background



This preview shows how the XYZ color 16.8502, 8.5783, 19.1800 looks on a white background.

Color Contrast Check

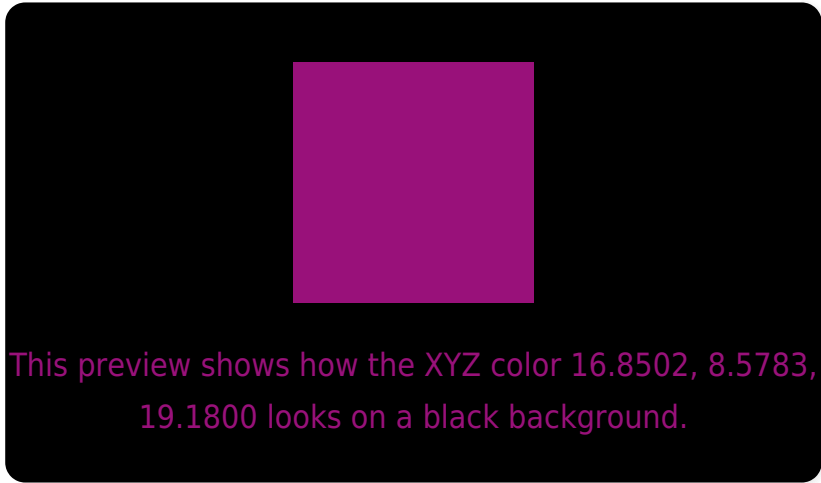
Large Text (above 18pt) WCAG AA ✓ Pass

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

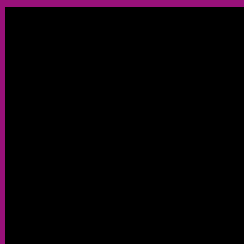
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8502, 8.5783, 19.1800

Background



This preview shows how black text looks on a background with the XYZ color 16.8502, 8.5783, 19.1800.



This preview shows how white text looks on a background with the XYZ color 16.8502, 8.5783,

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

16.8502, 8.5783, 19.1800

Protanopia

10.6039, 9.1074, 39.2292

Deuteranopia

9.1110, 8.9379, 17.1646



Tritanopia

13.8158, 8.7413, 4.3272

Trichromacy



Original Color

16.8502, 8.5783, 19.1800

Protanomaly

9.7886, 6.6281, 30.9004

Deuteranomaly

10.4838, 7.3553, 17.6968

Tritanomaly

14.4627, 8.3258, 8.0525

Monochromacy



Original Color

16.8502, 8.5783, 19.1800

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

8.2425, 5.7982, 10.1359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8502, 8.5783, 19.1800 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(153, 17, 122)` looks like.

```
.text, #text, p{  
    color:rgb(153, 17, 122)  
}
```

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(153, 17, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 17, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.8502, 8.5783, 19.1800 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(153, 17, 122) }
```


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

```
.border{ border-color:rgb(153, 17, 122) }
```

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

Here you see how a box with a 4 pixel rgb(153, 17, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 17, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 17, 122);  
box-shadow:4px 4px 4px 4px rgb(153, 17,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8502, 8.5783, 19.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 17, 122) }
```

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

```
.background{ background-color: rgb(153, 17,  
122) }
```

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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