

Converting Colors

XYZ(19.7556, 9.9033, 13.6249)

Have a look what the booklet for
XYZ(19.7556, 9.9033, 13.6249)
contains.

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Color

**XYZ(19.6818, 9.8635,
13.6985)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0067
RGB	173, 0, 103
RGB Percent	68%, 0%, 40%
CMY	0.3216, 0.9999, 0.5961
CMYK	0.00, 1.00, 0.40, 0.32
HSL	324°, 100%, 34%
HSV	324°, 100%, 68%
XYZ	19.6818, 9.8635, 13.6985
YIQ	63.4690, 70.0450, 68.7090

Conversions

Conversions Part 2

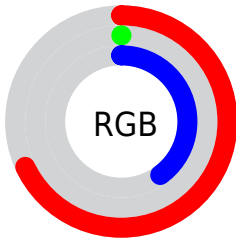
Format	Color
R_{YB}	173, 0, 103
Decimal	11337831
CIE _{Lab}	37.60, 64.79, -7.81
CIE _{LCh}	38, 65.260, 353.128
Yxy	9.8635, 0.4551, 0.2281
Android (android.graphics.Color)	4289527911 (0xFFAD0067)
YUV	63.4690, 19.4888, 96.0587
Hunter-Lab	31.4062, 56.9024, -3.8763

Details

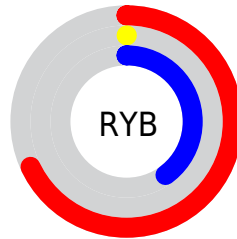
The XYZ color **19.6818, 9.8635, 13.6985** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **16.0502, 30.3299, 10.8067**, and the grayscale version is **4.7607, 5.0086, 5.4544**.

A 20% lighter version of the original color is **42.3794, 25.5416, 33.2682**, and **7.7840, 3.9304, 4.0898** is the 20% darker color. If you saturate the color by 10%, you get **19.6813, 9.8633, 13.6959**, and if you desaturate by 10%, it is **20.2537, 10.4211, 15.6962**.

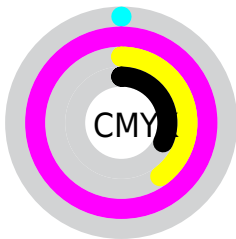
Distribution



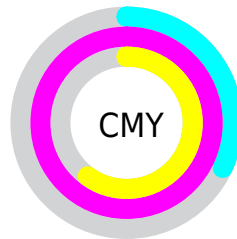
- Red (68%)
- Green (0%)
- Blue (40%)



- Red (68%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (32%)



- Cyan (32%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6818, 9.8635, 13.6985 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 19.6818, 9.8635, 13.6985 by changing the saturation by 10% instead.

■ 19.6818, 9.8635,
13.6985

■ 19.6818, 9.8635,
13.6985

243.0538,
189.6951, 226.7099

■ 12.2709, 5.3085,
7.7749

■ 42.3911, 25.5384,
33.2625

■ 7.0019, 2.4294,
3.8656

■ 58.4201, 37.4272,
47.7400

■ 3.5097, 0.8410,
1.5519

■ 78.0526, 52.5294,
65.9058

■ 1.4287, 0.0000,
0.2561

■ 101.6539, 71.2294,
88.1786

■ 0.2765, 0.0000,
0.0000

■ 129.5893, 93.9115,
114.9769

■ 0.0000, 0.0000,
0.0000

■ 162.2242,

120.9603, 146.7192

199.9239,
152.7600, 183.8240

■ 19.6818, 9.8635,
13.6985

■ 19.6818, 9.8635,
13.6985

■ 19.6813, 9.8633,
13.6959

■ 20.2537, 10.4211,
15.6962

■ 21.0347, 11.3488,
17.9122

■ 22.0965, 12.7888,
20.3737

■ 23.4726, 14.8070,
23.0951

■ 25.1913, 17.4591,
26.0890

■ 27.2776, 20.7941,
29.3666

■ 29.7542, 24.8566,
32.9384

■ 32.6419, 29.6868,
36.8143

■ 35.9597, 35.3224,
41.0034

Harmonies

Analogous

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



17.2752, 9.8635, 30.9948



19.6818, 9.8635, 13.6985



18.7437, 9.8635, 4.0522

Triad

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



19.6818, 9.8635, 13.6985



6.5877, 9.8635, 0.3361



5.3702, 9.8635, 41.1625

Complementary

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



19.6818, 9.8635, 13.6985



16.0502, 30.3299, 10.8067

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.



3.8023, 9.8635, 22.3856



19.6818, 9.8635, 13.6985



4.3473, 9.8635, 2.0551

Square

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



19.6818, 9.8635, 13.6985



10.3580, 9.8635, 0.0021



3.4925, 9.8635, 8.2409



8.4562, 9.8635, 52.8706

Rectangle

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



19.6818, 9.8635, 13.6985



16.4509, 9.8635, 1.4859



3.4925, 9.8635, 8.2409



4.6899, 9.8635, 35.0134

Sweetspot

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



19.6821, 9.8641, 13.6987



53.0311, 44.0907, 58.6330



10.0126, 4.2907, 39.8357



11.1172, 8.9097, 12.1650



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.6821, 9.8641, 13.6987



35.1391, 17.6211, 23.9537



17.3376, 8.9263, 1.3528



8.1978, 8.0924, 9.3523



14.4877, 7.2576, 10.2135



0.4292, 0.2124, 0.4219

Inverse Universe

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



19.6821, 9.8641, 13.6987



35.1391, 17.6211, 23.9537



20.9195, 32.2776, 36.4482



8.1978, 8.0924, 9.3523



14.4877, 7.2576, 10.2135



0.4292, 0.2124, 0.4219

Previews

White Background



This preview shows how the XYZ color 19.6818, 9.8635, 13.6985 looks on a white background.

Color Contrast Check

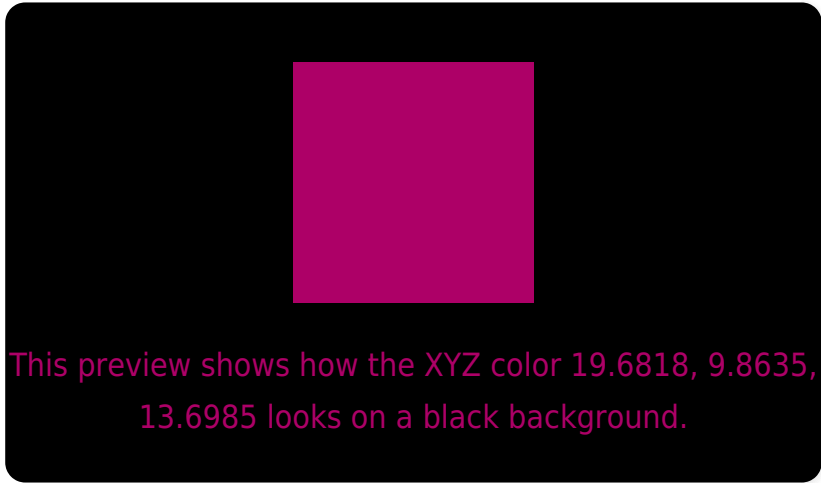
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6818, 9.8635, 13.6985

Background



This preview shows how black text looks on a background with the XYZ color 19.6818, 9.8635, 13.6985.



This preview shows how white text looks on a background with the XYZ color 19.6818, 9.8635,

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

19.6818, 9.8635, 13.6985

Protanopia

11.3016, 10.5118, 29.4503

Deuteranopia

10.7207, 10.5860, 12.5446



Tritanopia

17.7884, 10.2991, 3.2409

Trichromacy



Original Color

19.6818, 9.8635, 13.6985

Protanomaly

11.5718, 7.6564, 22.6977

Deuteranomaly

12.1727, 8.1871, 12.7431

Tritanomaly

18.0894, 9.7669, 5.7823

Monochromacy



Original Color

19.6818, 9.8635, 13.6985

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.7275, 4.9512, 7.7561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6818, 9.8635, 13.6985 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(173, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 103)  
}
```

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(173, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 19.6818, 9.8635, 13.6985 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(173, 0, 103) }
```


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

```
.border{ border-color:rgb(173, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6818, 9.8635, 13.6985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 103) }
```

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

```
.background{ background-color: rgb(173, 0,  
103) }
```

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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