

Converting Colors

XYZ(19.5038, 9.7168, 16.1756)

Have a look what the booklet for
XYZ(19.5038, 9.7168, 16.1756)
contains.

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Color

**XYZ(19.5022, 9.7159,
16.1767)**

Conversions

Conversions Part 1

Format	Color
Hex	AA0070
RGB	170, 0, 112
RGB Percent	67%, 0%, 44%
CMY	0.3333, 0.9999, 0.5608
CMYK	0.00, 1.00, 0.34, 0.33
HSL	320°, 100%, 33%
HSV	320°, 100%, 67%
XYZ	19.5022, 9.7159, 16.1767
YIQ	63.5980, 65.3680, 70.8720

Conversions

Conversions Part 2

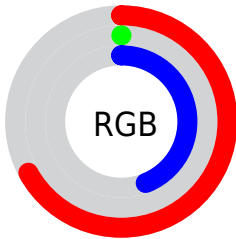
Format	Color
R_{YB}	170, 0, 112
Decimal	11141232
CIE _{Lab}	37.33, 65.05, -13.98
CIE _{LCh}	37, 66.532, 347.868
Yxy	9.7159, 0.4296, 0.2140
Android (android.graphics.Color)	4289331312 (0xFFAA0070)
YUV	63.5980, 23.8622, 93.3146
Hunter-Lab	31.1703, 57.1332, -8.9509

Details

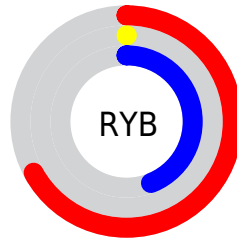
The XYZ color **19.5022, 9.7159, 16.1767** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.1394, 29.0554, 8.8165**, and the grayscale version is **4.7740, 5.0226, 5.4696**.

A 20% lighter version of the original color is **42.2764, 25.3882, 37.7942**, and **7.6075, 3.8149, 5.1859** is the 20% darker color. If you saturate the color by 10%, you get **19.5018, 9.7157, 16.1743**, and if you desaturate by 10%, it is **20.0366, 10.2510, 18.0002**.

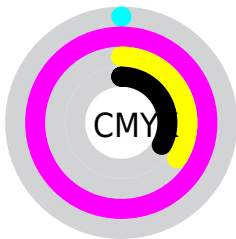
Distribution



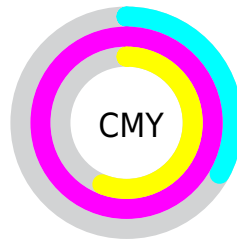
- Red (67%)
- Green (0%)
- Blue (44%)



- Red (67%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5022, 9.7159, 16.1767 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 19.5022, 9.7159, 16.1767 by changing the saturation by 10% instead.

■ 19.5022, 9.7159,
16.1767

■ 19.5022, 9.7159,
16.1767

242.0926,
188.6322, 242.2633

■ 12.1399, 5.2110,
9.4936

■ 42.0913, 25.2598,
37.6757

■ 6.9119, 2.3716,
4.9633

■ 58.0489, 37.0675,
53.3287

■ 3.4529, 0.8112,
2.1674

■ 77.6021, 52.0783,
72.8088

■ 1.3975, 0.0000,
0.6555

■ 101.1166, 70.6766,
96.5344

■ 0.2545, 0.0000,
0.0000

■ 128.9574, 93.2467,
124.9241

■ 0.0000, 0.0000,
0.0000

■ 161.4902,

120.1731, 158.3965

199.0801,
151.8401, 197.3700

■ 19.5022, 9.7159,
16.1767

■ 19.5022, 9.7159,
16.1767

■ 19.5018, 9.7157,
16.1743

■ 20.0366, 10.2510,
18.0002

■ 20.7633, 11.1367,
19.9923

■ 21.7518, 12.5115,
22.1780

■ 23.0337, 14.4383,
24.5697

■ 24.6360, 16.9701,
27.1781

■ 26.5825, 20.1541,
30.0127

■ 28.8946, 24.0324,
33.0824

■ 31.5918, 28.6439,
36.3954

■ 34.6924, 34.0244,
39.9592

Harmonies

Analogous

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



16.5493, 9.7159, 34.6738



19.5022, 9.7159, 16.1767



19.1623, 9.7159, 4.9813

Triad

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



19.5022, 9.7159, 16.1767



6.9863, 9.7159, 0.0723



4.8322, 9.7159, 38.3845

Complementary

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



19.5022, 9.7159, 16.1767



15.1394, 29.0554, 8.8165

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.



3.5121, 9.7159, 19.3055



19.5022, 9.7159, 16.1767



4.4731, 9.7159, 1.4414

Square

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



19.5022, 9.7159, 16.1767



11.0245, 9.7159, 0.0000



3.4042, 9.7159, 6.4493



7.6498, 9.7159, 52.6613

Rectangle

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



19.5022, 9.7159, 16.1767



17.1216, 9.7159, 1.8165



3.4042, 9.7159, 6.4493



4.2407, 9.7159, 31.8651

Sweetspot

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



19.5025, 9.7164, 16.1769



52.1738, 43.1769, 59.7021



8.9253, 3.7634, 38.2863



11.2369, 8.9576, 12.7956



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.



19.5025, 9.7164, 16.1769



35.2782, 17.5859, 28.7901



16.7917, 8.6321, 1.9021



7.7315, 7.6225, 8.9033



14.3726, 7.1577, 12.0394



0.3722, 0.1832, 0.4115

Inverse Universe

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



19.5025, 9.7164, 16.1769



35.2782, 17.5859, 28.7901



19.2329, 30.6928, 30.3724



7.7315, 7.6225, 8.9033



14.3726, 7.1577, 12.0394



0.3722, 0.1832, 0.4115

Previews

White Background



This preview shows how the XYZ color 19.5022, 9.7159, 16.1767 looks on a white background.

Color Contrast Check

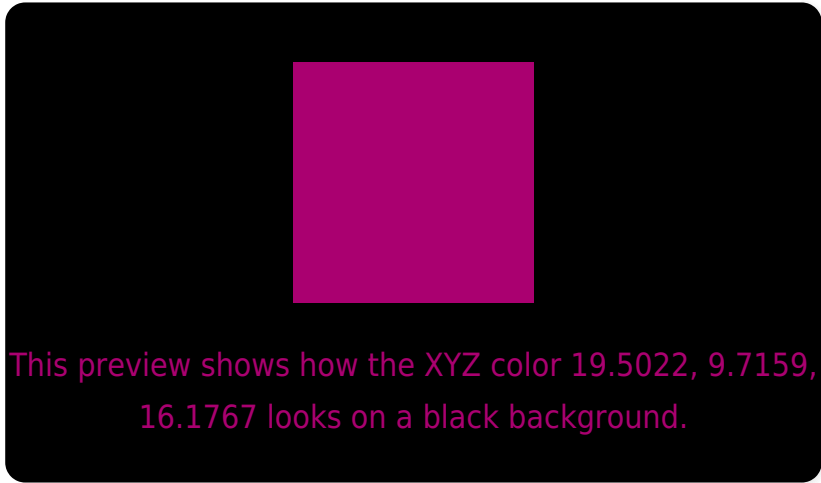
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5022, 9.7159, 16.1767

Background



This preview shows how black text looks on a background with the XYZ color 19.5022, 9.7159, 16.1767.



This preview shows how white text looks on a background with the XYZ color 19.5022, 9.7159,

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

19.5022, 9.7159, 16.1767

Protanopia

11.5798, 10.4171, 34.6581

Deuteranopia

10.5026, 10.3061, 14.5324



Tritanopia

17.1197, 10.1056, 3.6330

Trichromacy



Original Color

19.5022, 9.7159, 16.1767



Protanomaly

11.5177, 7.4642, 26.8203



Deuteranomaly

11.9532, 7.9548, 14.8154



Tritanomaly

17.4571, 9.4882, 6.7057

Monochromacy



Original Color

19.5022, 9.7159, 16.1767



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.8717, 5.0635, 8.3471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5022, 9.7159, 16.1767 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(170, 0, 112)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 112)  
}
```

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(170, 0, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 112) }
```

Border

The CSS property to change the border of an element to XYZ 19.5022, 9.7159, 16.1767 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(170, 0, 112) }
```


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

```
.border{ border-color:rgb(170, 0, 112) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5022, 9.7159, 16.1767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 112) }
```

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

```
.background{ background-color: rgb(170, 0,  
112) }
```

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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