

Converting Colors

XYZ(19.6184, 9.9816, 6.8853)

Have a look what the booklet for
XYZ(19.6184, 9.9816, 6.8853)
contains.

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Color

**XYZ(19.4974, 9.9199,
6.8483)**

Conversions

Conversions Part 1

Format	Color
Hex	B20047
RGB	178, 0, 71
RGB Percent	70%, 0%, 28%
CMY	0.3020, 0.9999, 0.7216
CMYK	0.00, 1.00, 0.60, 0.30
HSL	336°, 100%, 35%
HSV	336°, 100%, 70%
XYZ	19.4974, 9.9199, 6.8483
YIQ	61.3160, 83.2970, 59.8170

Conversions

Conversions Part 2

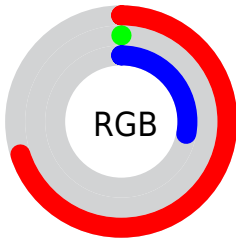
Format	Color
RYB	178, 0, 71
Decimal	11665479
CIELab	37.70, 63.42, 13.05
CIELCh	38, 64.752, 11.623
Yxy	9.9199, 0.5376, 0.2735
Android (android.graphics.Color)	4289855559 (0xFFB20047)
YUV	61.3160, 4.7742, 102.3319
Hunter-Lab	31.4959, 55.3820, 9.1554

Details

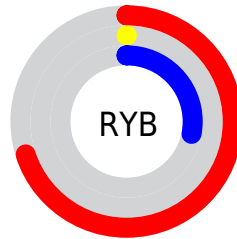
The XYZ color **19.4974, 9.9199, 6.8483** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.5761, 32.9030, 19.2900**, and the grayscale version is **4.4679, 4.7006, 5.1189**.

A 20% lighter version of the original color is **42.2074, 25.7420, 20.1969**, and **7.6930, 3.9403, 1.5175** is the 20% darker color. If you saturate the color by 10%, you get **19.4967, 9.9196, 6.8452**, and if you desaturate by 10%, it is **20.0852, 10.4967, 8.8907**.

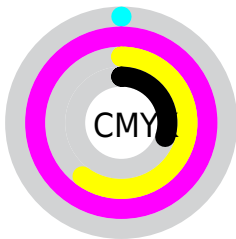
Distribution



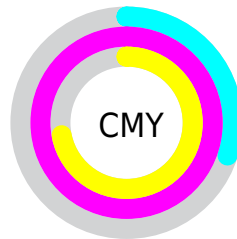
- Red (70%)
- Green (0%)
- Blue (28%)



- Red (70%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (30%)



- Cyan (30%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4974, 9.9199, 6.8483 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 19.4974, 9.9199, 6.8483 by changing the saturation by 10% instead.

 19.4974, 9.9199,
6.8483


 19.4974, 9.9199,
6.8483


242.0669,
190.0994, 175.9800


 12.1364, 5.3459,
3.2904


 42.0833, 25.6447,
20.1750


 6.9095, 2.4516,
1.2448


 58.0389, 37.5643,
30.7809


 3.4514, 0.8522,
0.0159

 77.5901, 52.7013,
44.5732

 1.3967, 0.0000,
0.0000

 101.1022, 71.4399,
61.9705

 0.2539, 0.0000,
0.0000

 128.9405, 94.1646,
83.3913

 0.0000, 0.0000,
0.0000

 161.4705,

121.2599, 109.2541

199.0575,
153.1100, 139.9775

■ 19.4974, 9.9199,
6.8483

■ 19.4974, 9.9199,
6.8483

■ 19.4967, 9.9196,
6.8452

■ 20.0852, 10.4967,
8.8907

■ 20.9292, 11.4842,
11.3315

■ 22.1063, 13.0319,
14.2100

■ 23.6542, 15.2112,
17.5514

■ 25.6052, 18.0828,
21.3787

■ 27.9880, 21.7001,
25.7129

■ 30.8283, 26.1112,
30.5736

■ 34.1500, 31.3603,
35.9791

■ 37.9750, 37.4880,
41.9470

Harmonies

Analogous

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



19.1084, 9.9199, 19.6370



19.4974, 9.9199, 6.8483



16.6672, 9.9199, 1.6581

Triad

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



19.4974, 9.9199, 6.8483



5.0886, 9.9199, 1.1736



7.1474, 9.9199, 49.7412

Complementary

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



19.4974, 9.9199, 6.8483



18.5761, 32.9030, 19.2900

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.



4.6641, 9.9199, 33.9304



19.4974, 9.9199, 6.8483



3.7362, 9.9199, 5.1159

Square

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



19.4974, 9.9199, 6.8483



7.9224, 9.9199, 0.1099



3.6076, 9.9199, 16.0407



11.1144, 9.9199, 51.6785

Rectangle

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



19.4974, 9.9199, 6.8483



13.7117, 9.9199, 0.5611



3.6076, 9.9199, 16.0407



6.1456, 9.9199, 45.5275

Sweetspot

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



19.4976, 9.9205, 6.8484



55.6077, 46.8846, 54.9462



14.0770, 6.3291, 42.5989



11.8254, 9.6158, 11.3377



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.4976, 9.9205, 6.8484



35.2502, 17.9463, 11.8545



18.5737, 9.8920, 0.9313



8.6321, 8.5595, 9.5609



13.9795, 7.1094, 5.0521



0.4691, 0.2354, 0.3127

Inverse Universe

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



19.4976, 9.9205, 6.8484



35.2502, 17.9463, 11.8545



20.6422, 28.4264, 46.5181



8.6321, 8.5595, 9.5609



13.9795, 7.1094, 5.0521



0.4691, 0.2354, 0.3127

Previews

White Background



This preview shows how the XYZ color 19.4974, 9.9199, 6.8483 looks on a white background.

Color Contrast Check

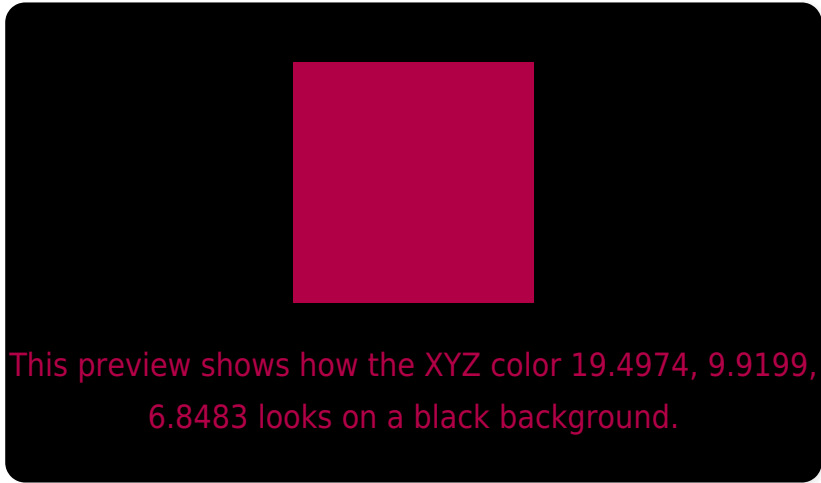
Large Text (above 18pt) WCAG AA ✓ Pass

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

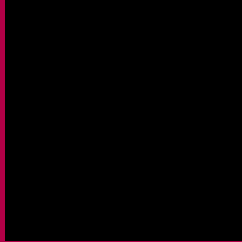
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4974, 9.9199, 6.8483

Background



This preview shows how black text looks on a background with the XYZ color 19.4974, 9.9199, 6.8483.



This preview shows how white text looks on a background with the XYZ color 19.4974, 9.9199,

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

19.4974, 9.9199, 6.8483

Protanopia

10.4562, 10.6553, 14.6023

Deuteranopia

10.6936, 10.5895, 6.1830



Tritanopia

18.5176, 10.1397, 2.0181

Trichromacy



Original Color

19.4974, 9.9199, 6.8483

Protanomaly

11.4709, 7.9364, 11.0525

Deuteranomaly

12.2291, 8.2900, 6.1098

Tritanomaly

18.7838, 9.9541, 3.2168

Monochromacy



Original Color

19.4974, 9.9199, 6.8483

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.3886, 4.7757, 5.5334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4974, 9.9199, 6.8483 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(178, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 71)  
}
```

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(178, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 19.4974, 9.9199, 6.8483 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(178, 0, 71) }
```


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

```
.border{ border-color:rgb(178, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4974, 9.9199, 6.8483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 71) }
```

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

```
.background{ background-color: rgb(178, 0,  
71) }
```

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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