

Converting Colors

XYZ(9.8916, 5.0668, 1.9334)

Have a look what the booklet for
XYZ(9.8916, 5.0668, 1.9334)
contains.

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Color

XYZ(9.9616, 5.1020, 1.9731)

Conversions

Conversions Part 1

Format	Color
Hex	850022
RGB	133, 0, 34
RGB Percent	52%, 0%, 13%
CMY	0.4784, 0.9999, 0.8667
CMYK	0.00, 1.00, 0.74, 0.48
HSL	345°, 100%, 26%
HSV	345°, 100%, 52%
XYZ	9.9616, 5.1020, 1.9731
YIQ	43.6430, 68.3540, 38.7700

Conversions

Conversions Part 2

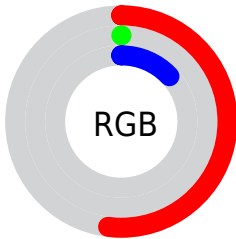
Format	Color
R_{YB}	133, 0, 34
Decimal	8716322
CIE _{Lab}	27.02, 50.29, 21.65
CIE _{LCh}	27, 54.755, 23.286
Yxy	5.1020, 0.5847, 0.2995
Android (android.graphics.Color)	4286906402 (0xFF850022)
YUV	43.6430, -4.7540, 78.3661
Hunter-Lab	22.5876, 39.1939, 10.6322

Details

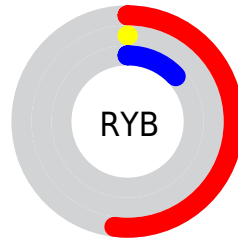
The XYZ color **9.9616, 5.1020, 1.9731** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **10.6405, 17.6762, 14.6589**, and the grayscale version is **2.3593, 2.4822, 2.7031**.

A 20% lighter version of the original color is **25.4956, 16.1438, 8.9800**, and **2.9017, 1.4959, 0.1358** is the 20% darker color. If you saturate the color by 10%, you get **9.9614, 5.1020, 1.9723**, and if you desaturate by 10%, it is **10.2736, 5.4636, 2.8862**.

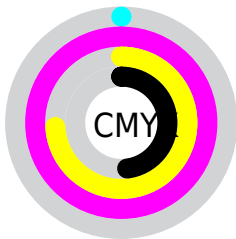
Distribution



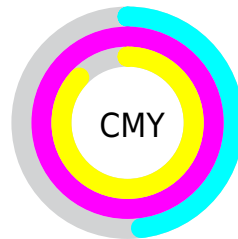
- Red (52%)
- Green (0%)
- Blue (13%)



- Red (52%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9616, 5.1020, 1.9731 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 9.9616, 5.1020, 1.9731 by changing the saturation by 10% instead.

■ 9.9616, 5.1020,
1.9731

■ 9.9616, 5.1020,
1.9731

184.4571,
150.8031, 121.9577

■ 5.4356, 2.3072,
0.5387

■ 25.3736, 16.0373,
8.9671

■ 2.5424, 0.7775,
0.0000

■ 36.9902, 24.9467,
15.4233

■ 0.9167, 0.0000,
0.0000

■ 51.7012, 36.6630,
24.4104

■ 0.0000, 0.0000,
0.0000


■ 69.8717, 51.5707,
36.3469


■ 91.8672, 70.0541,
51.6513


■ 118.0531, 92.4978,

70.7422


 148.7946,
119.2859, 94.0382

 9.9616, 5.1020,
1.9731


 9.9616, 5.1020,
1.9731


 9.9614, 5.1020,
1.9723

 10.2736, 5.4636,
2.8862

 10.7172, 6.0173,
4.0623

 11.3457, 6.8651,
5.5334

 12.1784, 8.0414,
7.3191

 13.2321, 9.5756,
9.4371

■ 14.5217, 11.4941,
11.9037

■ 16.0608, 13.8207,
14.7341

■ 17.8620, 16.5770,
17.9425

■ 19.9369, 19.7835,
21.5425

Harmonies

Analogous

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



10.4885, 5.1020, 7.1211



9.9616, 5.1020, 1.9731



7.8971, 5.1020, 0.1887

Triad

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



9.9616, 5.1020, 1.9731



2.1567, 5.1020, 0.9689



4.3643, 5.1020, 28.9176

Complementary

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



9.9616, 5.1020, 1.9731



10.6405, 17.6762, 14.6589

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.



2.7080, 5.1020, 22.4030



9.9616, 5.1020, 1.9731



1.7120, 5.1020, 4.2376

Square

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



9.9616, 5.1020, 1.9731



3.3417, 5.1020, 0.0000



1.8771, 5.1020, 11.9756



6.7533, 5.1020, 26.2478

Rectangle

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



9.9616, 5.1020, 1.9731



6.1925, 5.1020, 0.0000



1.8771, 5.1020, 11.9756



3.7159, 5.1020, 27.6296

Sweetspot

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



9.9617, 5.1023, 1.9732



28.5561, 24.4373, 26.0134



9.2209, 4.2647, 22.5274



6.2023, 5.1549, 5.4391



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



9.9617, 5.1023, 1.9732



17.7827, 9.1141, 3.2359



10.1640, 5.9688, 0.6168



4.7178, 4.7068, 5.1264



9.4914, 4.8609, 1.8942



0.0355, 0.0179, 0.0203

Inverse Universe

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



9.9617, 5.1023, 1.9732



17.7827, 9.1141, 3.2359



8.9822, 11.1903, 23.8768



4.7178, 4.7068, 5.1264



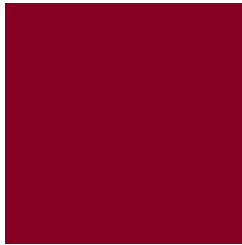
9.4914, 4.8609, 1.8942



0.0355, 0.0179, 0.0203

Previews

White Background



This preview shows how the XYZ color 9.9616, 5.1020, 1.9731 looks on a white background.

Color Contrast Check

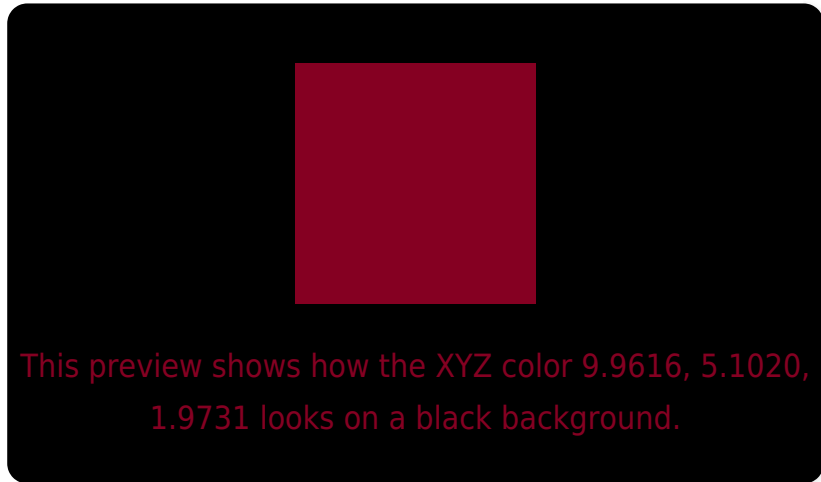
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.9616, 5.1020, 1.9731

Background



This preview shows how black text looks on a background with the XYZ color 9.9616, 5.1020, 1.9731.

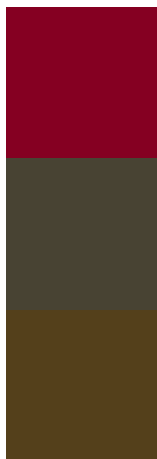


This preview shows how white text looks on a background with the XYZ color 9.9616, 5.1020, 1.9731.

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

9.9616, 5.1020, 1.9731

Protanopia

5.2772, 5.6310, 3.9407

Deuteranopia

5.6874, 5.6307, 1.8240



Tritanopia

9.8792, 5.3203, 0.7647

Trichromacy



Original Color

9.9616, 5.1020, 1.9731

Protanomaly

5.9536, 4.2969, 2.9982

Deuteranomaly

6.5068, 4.5044, 1.7548

Tritanomaly

9.8797, 5.2256, 1.0602

Monochromacy



Original Color

9.9616, 5.1020, 1.9731

Achromatopsia

2.3940, 2.5187, 2.7428

Achromatomaly

3.7787, 2.5202, 2.2948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9616, 5.1020, 1.9731 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(133, 0, 34)` looks like.

```
.text, #text, p{  
  color:rgb(133, 0, 34)  
}
```

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(133, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 34) }
```

Border

The CSS property to change the border of an element to XYZ 9.9616, 5.1020, 1.9731 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(133, 0, 34) }
```

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

```
.border{ border-color:rgb(133, 0, 34) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(133, 0, 34)  
}
```


Background

The CSS property to change the background color of an element to XYZ 9.9616, 5.1020, 1.9731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 34) }
```

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

```
.background{ background-color: rgb(133, 0,  
34) }
```

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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