

Converting Colors

XYZ(18.6267, 8.4984, 2.0718)

Have a look what the booklet for
XYZ(18.6267, 8.4984, 2.0718)
contains.

XYZ(19.3306, 9.9336, 2.3374)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.3306, 9.9336,
2.3374)**

Conversions

Conversions Part 1

Format	Color
Hex	B50021
RGB	181, 0, 33
RGB Percent	71%, 0%, 13%
CMY	0.2902, 0.9999, 0.8706
CMYK	0.00, 1.00, 0.82, 0.29
HSL	349°, 100%, 35%
HSV	349°, 100%, 71%
XYZ	19.3306, 9.9336, 2.3374
YIQ	57.8810, 97.2830, 48.6350

Conversions

Conversions Part 2

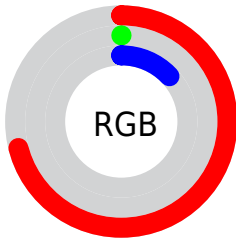
Format	Color
RYB	181, 0, 33
Decimal	11862049
CIELab	37.72, 62.47, 37.04
CIELCh	38, 72.630, 30.664
Yxy	9.9336, 0.6117, 0.3143
Android (android.graphics.Color)	4290052129 (0xFFB50021)
YUV	57.8810, -12.2663, 107.9754
Hunter-Lab	31.5176, 54.3230, 17.6653

Details

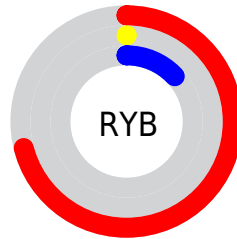
The XYZ color **19.3306, 9.9336, 2.3374** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.8721, 35.1869, 33.6696**, and the grayscale version is **4.0150, 4.2241, 4.6000**.

A 20% lighter version of the original color is **41.9000, 25.6999, 9.9599**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.3301, 9.9333, 2.3354**, and if you desaturate by 10%, it is **19.8039, 10.4724, 3.7527**.

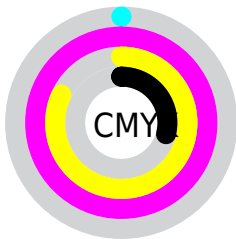
Distribution



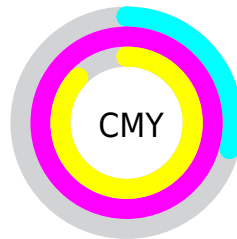
- Red (71%)
- Green (0%)
- Blue (13%)



- Red (71%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (29%)



- Cyan (29%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.3306, 9.9336, 2.3374 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 19.3306, 9.9336, 2.3374 by changing the saturation by 10% instead.


 19.3306, 9.9336,
2.3374


 19.3306, 9.9336,
2.3374


241.1711,
190.1975, 127.4137


 12.0148, 5.3550,
0.7521


 41.8046, 25.6705,
9.9443


 6.8260, 2.4570,
0.0000


 57.6935, 37.5976,
16.8180


 3.3989, 0.8550,
0.0000

 77.1708, 52.7430,
26.2968

 1.3681, 0.0000,
0.0000

 100.6019, 71.4910,
38.7990

 0.2333, 0.0000,
0.0000


 128.3521, 94.2260,
54.7433

 0.0000, 0.0000,
0.0000


 160.7868,


121.3325, 74.5481


 198.2713,
153.1949, 98.6321

 19.3306, 9.9336,
2.3374


 19.3306, 9.9336,
2.3374


 19.3301, 9.9333,
2.3354

 19.8039, 10.4724,
3.7527

 20.5801, 11.4541,
5.7713

 21.7447, 13.0348,
8.4669

 23.3424, 15.2911,
11.8949

 25.4118, 18.2882,
16.1044

■ 27.9871, 22.0836,
21.1403

■ 31.0990, 26.7289,
27.0441

■ 34.7761, 32.2717,
33.8543

■ 39.0449, 38.7559,
41.6072

Harmonies

Analogous

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



21.4025, 9.9336, 10.5240



19.3306, 9.9336, 2.3374



14.4973, 9.9336, 0.1205

Triad

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



19.3306, 9.9336, 2.3374



3.6214, 9.9336, 2.5261



9.5449, 9.9336, 61.4193

Complementary

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



19.3306, 9.9336, 2.3374



21.8721, 35.1869, 33.6696

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.



5.7236, 9.9336, 51.6130



19.3306, 9.9336, 2.3374



3.0530, 9.9336, 11.1134

Square

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



19.3306, 9.9336, 2.3374



5.5969, 9.9336, 0.1793



3.6760, 9.9336, 29.6729



14.7358, 9.9336, 50.7822

Rectangle

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



19.3306, 9.9336, 2.3374



10.9574, 9.9336, 0.0000



3.6760, 9.9336, 29.6729



8.0724, 9.9336, 60.3581

Sweetspot

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



19.3308, 9.9342, 2.3375



55.3838, 47.3999, 47.8465



20.5214, 9.6163, 44.4903



11.4497, 9.4656, 9.3596



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.



19.3308, 9.9342, 2.3375



34.5603, 17.7667, 3.8681



20.5361, 12.7837, 1.3861



8.5575, 8.5297, 9.1682



13.3449, 6.8555, 1.7105



0.4388, 0.2233, 0.1534

Inverse Universe

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



19.3308, 9.9342, 2.3375



34.5603, 17.7667, 3.8681



15.5102, 17.6750, 46.3099



8.5575, 8.5297, 9.1682



13.3449, 6.8555, 1.7105



0.4388, 0.2233, 0.1534

Previews

White Background



This preview shows how the XYZ color 19.3306, 9.9336, 2.3374 looks on a white background.

Color Contrast Check

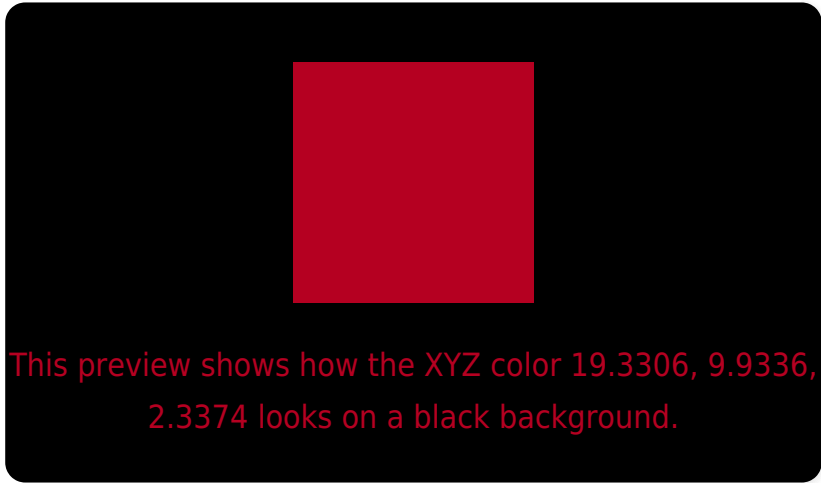
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3306, 9.9336, 2.3374

Background



This preview shows how black text looks on a background with the XYZ color 19.3306, 9.9336, 2.3374.



This preview shows how white text looks on a background with the XYZ color 19.3306, 9.9336,

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

19.3306, 9.9336, 2.3374

Protanopia

9.8138, 10.6689, 4.7909

Deuteranopia

10.7118, 10.5699, 2.0059



Tritanopia

19.0077, 10.0739, 0.9426

Trichromacy



Original Color

19.3306, 9.9336, 2.3374

Protanomaly

11.2435, 8.0632, 3.4464

Deuteranomaly

12.3361, 8.3697, 1.7759

Tritanomaly

18.9973, 9.9469, 1.2665

Monochromacy



Original Color

19.3306, 9.9336, 2.3374

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.8095, 4.4285, 3.4016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3306, 9.9336, 2.3374 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(181, 0, 33)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 33)  
}
```

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(181, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 19.3306, 9.9336, 2.3374 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(181, 0, 33) }
```


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

```
.border{ border-color:rgb(181, 0, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 0, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.3306, 9.9336, 2.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 33) }
```

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

```
.background{ background-color: rgb(181, 0,  
33) }
```

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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