

Converting Colors

XYZ(19.4242, 9.9724, 2.7690)

Have a look what the booklet for
XYZ(19.4242, 9.9724, 2.7690)
contains.

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Color

**XYZ(19.4059, 9.9637,
2.7341)**

Conversions

Conversions Part 1

Format	Color
Hex	B50026
RGB	181, 0, 38
RGB Percent	71%, 0%, 15%
CMY	0.2902, 0.9999, 0.8510
CMYK	0.00, 1.00, 0.79, 0.29
HSL	347°, 100%, 35%
HSV	347°, 100%, 71%
XYZ	19.4059, 9.9637, 2.7341
YIQ	58.4510, 95.6780, 50.1900

Conversions

Conversions Part 2

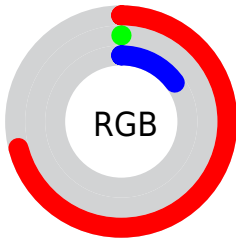
Format	Color
R_{YB}	181, 0, 38
Decimal	11862054
CIE _{Lab}	37.78, 62.62, 34.15
CIE _{LCh}	38, 71.330, 28.607
Yxy	9.9637, 0.6045, 0.3104
Android (android.graphics.Color)	4290052134 (0xFFB50026)
YUV	58.4510, -10.0823, 107.4755
Hunter-Lab	31.5653, 54.4998, 16.9602

Details

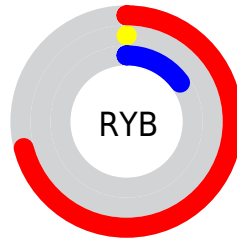
The XYZ color **19.4059, 9.9637, 2.7341** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.4845, 35.0318, 31.6288**, and the grayscale version is **4.0889, 4.3019, 4.6847**.

A 20% lighter version of the original color is **41.7382, 25.5950, 10.9241**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.4053, 9.9635, 2.7319**, and if you desaturate by 10%, it is **19.9010, 10.5113, 4.2647**.

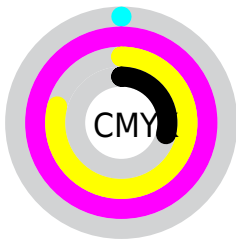
Distribution



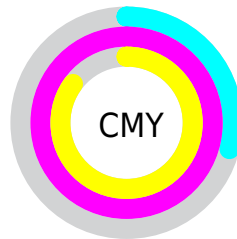
- Red (71%)
- Green (0%)
- Blue (15%)



- Red (71%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4059, 9.9637, 2.7341 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 19.4059, 9.9637, 2.7341 by changing the saturation by 10% instead.


 19.4059, 9.9637,
2.7341


 19.4059, 9.9637,
2.7341


241.5758,
190.4128, 132.8985


 12.0697, 5.3749,
0.9605


 41.9304, 25.7272,
10.9649


 6.8637, 2.4689,
0.0000


 57.8495, 37.6707,
18.2593


 3.4226, 0.8610,
0.0000

 77.3602, 52.8345,
28.2310

 1.3810, 0.0000,
0.0000

 100.8279, 71.6031,
41.2986

 0.2426, 0.0000,
0.0000

 128.6179, 94.3608,
57.8806

 0.0000, 0.0000,
0.0000

 161.0957,

121.4921, 78.3955

198.6265,
153.3813, 103.2620

19.4059, 9.9637,
2.7341

19.4059, 9.9637,
2.7341

19.4053, 9.9635,
2.7319

19.9010, 10.5113,
4.2647

20.6952, 11.5001,
6.3773

21.8724, 13.0858,
9.1395

23.4765, 15.3446,
12.6011

25.5452, 18.3414,
16.8070

■ 28.1118, 22.1333,
21.7981

■ 31.2067, 26.7718,
27.6122

■ 34.8577, 32.3041,
34.2847

■ 39.0905, 38.7738,
41.8488

Harmonies

Analogous

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



21.1747, 9.9637, 11.4689



19.4059, 9.9637, 2.7341



14.7933, 9.9637, 0.2967

Triad

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



19.4059, 9.9637, 2.7341



3.7960, 9.9637, 2.3347



9.2593, 9.9637, 60.0659

Complementary

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



19.4059, 9.9637, 2.7341



21.4845, 35.0318, 31.6288

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.



5.6071, 9.9637, 49.3300



19.4059, 9.9637, 2.7341



3.1432, 9.9637, 10.2515

Square

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



19.4059, 9.9637, 2.7341



5.8707, 9.9637, 0.1755



3.6817, 9.9637, 27.7952



14.3032, 9.9637, 51.0194

Rectangle

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



19.4059, 9.9637, 2.7341



11.3043, 9.9637, 0.0000



3.6817, 9.9637, 27.7952



7.8461, 9.9637, 58.5578

Sweetspot

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



19.4061, 9.9643, 2.7342



55.5792, 47.4780, 48.8752



19.4601, 9.0691, 44.4406



11.4950, 9.4837, 9.5981



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.



19.4061, 9.9643, 2.7342



34.6881, 17.8178, 4.5410



20.2534, 12.2183, 1.2918



8.5669, 8.5335, 9.2177



13.3989, 6.8771, 1.9948



0.4427, 0.2248, 0.1737

Inverse Universe

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



19.4061, 9.9643, 2.7342



34.6881, 17.8178, 4.5410



16.2870, 19.2287, 46.5688



8.5669, 8.5335, 9.2177



13.3989, 6.8771, 1.9948



0.4427, 0.2248, 0.1737

Previews

White Background



This preview shows how the XYZ color 19.4059, 9.9637, 2.7341 looks on a white background.

Color Contrast Check

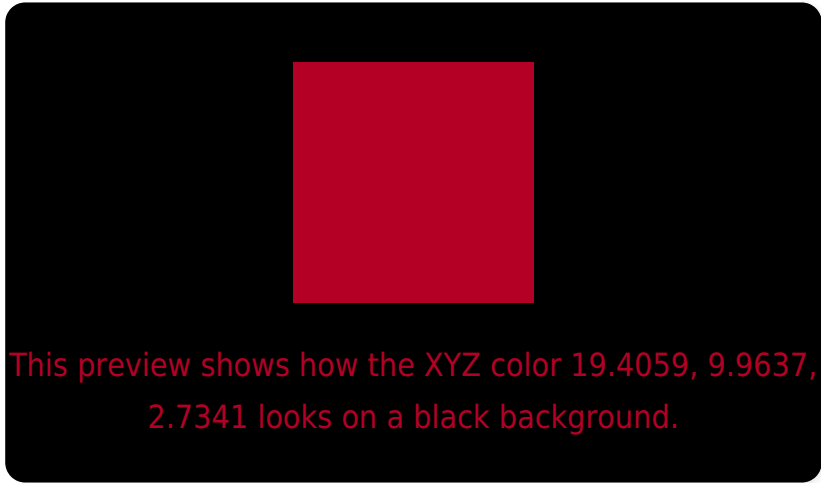
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4059, 9.9637, 2.7341

Background



This preview shows how black text looks on a background with the XYZ color 19.4059, 9.9637, 2.7341.



This preview shows how white text looks on a background with the XYZ color 19.4059, 9.9637,

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

19.4059, 9.9637, 2.7341

Protanopia

9.8464, 10.6691, 5.5434

Deuteranopia

10.6539, 10.5314, 2.3909



Tritanopia

19.2633, 10.2031, 1.0690

Trichromacy



Original Color

19.4059, 9.9637, 2.7341

Protanomaly

11.2148, 8.0341, 4.0916

Deuteranomaly

12.2480, 8.3151, 2.1877

Tritanomaly

19.2581, 10.0783, 1.4205

Monochromacy



Original Color

19.4059, 9.9637, 2.7341

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.8526, 4.4457, 3.6289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4059, 9.9637, 2.7341 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 38) }
```

Border

The CSS property to change the border of an element to XYZ 19.4059, 9.9637, 2.7341 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, 38) }
```


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

```
.border{ border-color:rgb(181, 0, 38) }
```

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, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4059, 9.9637, 2.7341 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, 38) }
```

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

```
.background{ background-color: rgb(181, 0,  
38) }
```

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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