

Converting Colors

XYZ(18.9314, 9.7250, 2.4459)

Have a look what the booklet for
XYZ(18.9314, 9.7250, 2.4459)
contains.

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Color

**XYZ(18.8938, 9.7051,
2.4676)**

Conversions

Conversions Part 1

Format	Color
Hex	B30023
RGB	179, 0, 35
RGB Percent	70%, 0%, 14%
CMY	0.2980, 0.9999, 0.8627
CMYK	0.00, 1.00, 0.80, 0.30
HSL	348°, 100%, 35%
HSV	348°, 100%, 70%
XYZ	18.8938, 9.7051, 2.4676
YIQ	57.5110, 95.4490, 48.8330

Conversions

Conversions Part 2

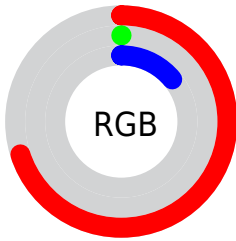
Format	Color
R_YB	179, 0, 35
Decimal	11730979
CIE Lab	37.31, 62.03, 35.31
CIE LCh	37, 71.379, 29.651
Yxy	9.7051, 0.6082, 0.3124
Android (android.graphics.Color)	4289921059 (0xFFB30023)
YUV	57.5110, -11.0979, 106.5459
Hunter-Lab	31.1530, 53.7396, 17.1108

Details

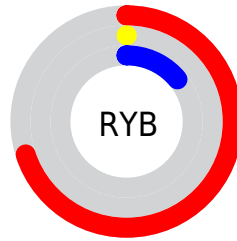
The XYZ color **18.8938, 9.7051, 2.4676** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.1569, 34.2548, 31.8953**, and the grayscale version is **3.9643, 4.1708, 4.5420**.

A 20% lighter version of the original color is **40.9346, 25.1938, 10.2948**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.8932, 9.7048, 2.4655**, and if you desaturate by 10%, it is **19.3684, 10.2393, 3.9061**.

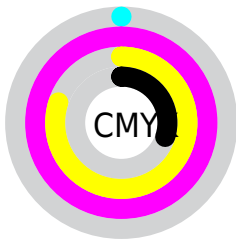
Distribution



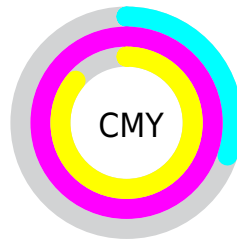
- Red (70%)
- Green (0%)
- Blue (14%)



- Red (70%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8938, 9.7051, 2.4676 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 18.8938, 9.7051, 2.4676 by changing the saturation by 10% instead.

 18.8938, 9.7051,
2.4676


 18.8938, 9.7051,
2.4676


238.8112,
188.5542, 129.2606


 11.6971, 5.2039,
0.8229


 41.0728, 25.2393,
10.2837


 6.6085, 2.3674,
0.0000


 56.7859, 37.0411,
17.2991


 3.2626, 0.8090,
0.0000

 76.0684, 52.0452,
26.9439

 1.2941, 0.0000,
0.0000

 99.2859, 70.6360,
39.6369

 0.1788, 0.0000,
0.0000

 126.8035, 93.1979,
55.7965

 0.0000, 0.0000,
0.0000

 158.9867,

120.1153, 75.8413

196.2008,
151.7726, 100.1899

18.8938, 9.7051,
2.4676

18.8938, 9.7051,
2.4676

18.8932, 9.7048,
2.4655

19.3684, 10.2393,
3.9061

20.1360, 11.2033,
5.9227

21.2797, 12.7503,
8.5865

22.8426, 14.9546,
11.9484

24.8618, 17.8793,
16.0544

■ 27.3701, 21.5804,
20.9462

■ 30.3972, 26.1079,
26.6623

■ 33.9707, 31.5079,
33.2389

■ 38.1158, 37.8229,
40.7098

Harmonies

Analogous

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



20.7678, 9.7051, 10.7180



18.8938, 9.7051, 2.4676



14.2855, 9.7051, 0.1906

Triad

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



18.8938, 9.7051, 2.4676



3.6169, 9.7051, 2.3703



9.1721, 9.7051, 59.2560

Complementary

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



18.8938, 9.7051, 2.4676



21.1569, 34.2548, 31.8953

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.



5.5269, 9.7051, 49.2333



18.8938, 9.7051, 2.4676



3.0219, 9.7051, 10.4178

Square

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



18.8938, 9.7051, 2.4676



5.5917, 9.7051, 0.1602



3.5889, 9.7051, 28.0258



14.1643, 9.7051, 49.6532

Rectangle

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



18.8938, 9.7051, 2.4676



10.8566, 9.7051, 0.0000



3.5889, 9.7051, 28.0258



7.7646, 9.7051, 58.0021

Sweetspot

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



18.8940, 9.7057, 2.4677



54.1321, 46.2944, 47.1759



19.5004, 9.1135, 43.3788



11.4713, 9.4742, 9.4732



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.



18.8940, 9.7057, 2.4677



33.7751, 17.3563, 4.0869



19.8968, 12.1964, 1.3064



8.5620, 8.5315, 9.1919



13.3699, 6.8655, 1.8417



0.4406, 0.2240, 0.1631

Inverse Universe

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



18.8940, 9.7057, 2.4677



33.7751, 17.3563, 4.0869



15.5099, 18.0006, 45.3045



8.5620, 8.5315, 9.1919



13.3699, 6.8655, 1.8417



0.4406, 0.2240, 0.1631

Previews

White Background



This preview shows how the XYZ color 18.8938, 9.7051, 2.4676 looks on a white background.

Color Contrast Check

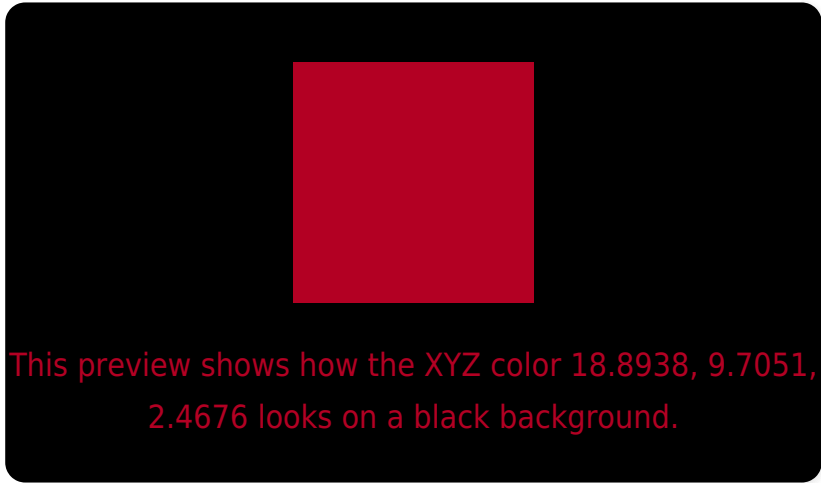
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8938, 9.7051, 2.4676

Background



This preview shows how black text looks on a background with the XYZ color 18.8938, 9.7051, 2.4676.



This preview shows how white text looks on a background with the XYZ color 18.8938, 9.7051,

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

18.8938, 9.7051, 2.4676

Protanopia

9.5525, 10.4012, 4.9942

Deuteranopia

10.4026, 10.2871, 2.1468



Tritanopia

18.5454, 9.8356, 0.9210

Trichromacy



Original Color

18.8938, 9.7051, 2.4676

Protanomaly

10.9282, 7.8205, 3.6229

Deuteranomaly

12.0339, 8.2102, 1.9278

Tritanomaly

18.5413, 9.7111, 1.2780

Monochromacy



Original Color

18.8938, 9.7051, 2.4676

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.7168, 4.3782, 3.5087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8938, 9.7051, 2.4676 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(179, 0, 35)` looks like.

```
.text, #text, p{  
  color:rgb(179, 0, 35)  
}
```

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(179, 0, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 18.8938, 9.7051, 2.4676 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(179, 0, 35) }
```


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

```
.border{ border-color:rgb(179, 0, 35) }
```

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

Here you see how a box with a 4 pixel rgb(179, 0, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(179, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8938, 9.7051, 2.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 0, 35) }
```

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

```
.background{ background-color: rgb(179, 0,  
35) }
```

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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