

Converting Colors

XYZ(18.4228, 10.2629, 4.1652)

Have a look what the booklet for
XYZ(18.4228, 10.2629, 4.1652)
contains.

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Color

**XYZ(18.4031, 10.2673,
4.1438)**

Conversions

Conversions Part 1

Format	Color
Hex	AD2233
RGB	173, 34, 51
RGB Percent	68%, 13%, 20%
CMY	0.3216, 0.8666, 0.8000
CMYK	0.00, 0.80, 0.71, 0.32
HSL	353°, 67%, 41%
HSV	353°, 80%, 68%
XYZ	18.4031, 10.2673, 4.1438
YIQ	77.4990, 77.3870, 34.7550

Conversions

Conversions Part 2

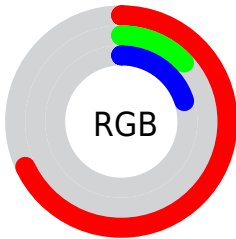
Format	Color
R_{YB}	173, 34, 51
Decimal	11346483
CIE Lab	38.32, 55.13, 26.38
CIE LCh	38, 61.116, 25.570
Yxy	10.2673, 0.5608, 0.3129
Android (android.graphics.Color)	4289536563 (0xFFAD2233)
YUV	77.4990, -13.0640, 83.7544
Hunter-Lab	32.0426, 46.4436, 14.7624

Details

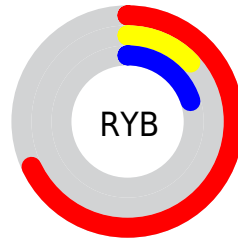
The XYZ color **18.4031, 10.2673, 4.1438** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **21.6052, 32.6278, 36.6165**, and the grayscale version is **7.1618, 7.5348, 8.2054**.

A 20% lighter version of the original color is **40.3330, 26.3539, 14.2703**, and **6.8484, 3.5261, 0.5207** is the 20% darker color. If you saturate the color by 10%, you get **17.7450, 9.4024, 2.5339**, and if you desaturate by 10%, it is **19.4198, 11.6747, 6.4129**.

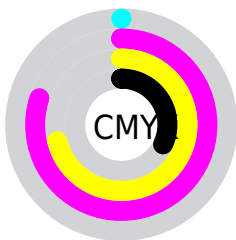
Distribution



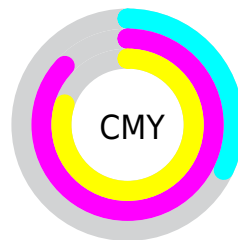
- Red (68%)
- Green (13%)
- Blue (20%)



- Red (68%)
- Yellow (13%)
- Blue (20%)



- Cyan (0%)
- Magenta (80%)
- Yellow (71%)
- Black (32%)



- Cyan (32%)
- Magenta (87%)
- Yellow (80%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4031, 10.2673, 4.1438 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 18.4031, 10.2673, 4.1438 by changing the saturation by 10% instead.

■ 18.4031, 10.2673,
4.1438

■ 18.4031, 10.2673,
4.1438

236.1353,
192.5693, 149.8105

■ 11.3412, 5.5765,
1.7046

■ 40.2477, 26.2971,
14.3401

■ 6.3658, 2.5893,
0.3639

■ 55.7612, 38.4049,
22.9342

■ 3.1115, 0.9213,
0.0000

■ 74.8225, 53.7538,
34.4170

■ 1.2130, 0.0000,
0.0000

■ 97.7972, 72.7283,
49.2071

■ 0.1166, 0.0000,
0.0000

■ 125.0504, 95.7127,
67.7229

■ 0.0000, 0.0000,
0.0000

■ 156.9476,

123.0914, 90.3831

193.8541,
155.2488, 117.6061

■ 18.4031, 10.2673,
4.1438

■ 18.4031, 10.2673,
4.1438

■ 17.7450, 9.4024,
2.5339

■ 19.4198, 11.6747,
6.4129

■ 17.3701, 8.9388,
1.5264

■ 20.8369, 13.6925,
9.4024

■ 22.6912, 16.3805,
13.1669

■ 25.0150, 19.7910,
17.7556

■ 27.8376, 23.9709,
23.2135

■ 31.1859, 28.9635,
29.5824

■ 35.0846, 34.8085,
36.9014

■ 39.5573, 41.5433,
45.2074

■ 44.6259, 49.2028,
54.5350

Harmonies

Analogous

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



19.5331, 10.2673, 12.9566



18.4031, 10.2673, 4.1438



14.7487, 10.2673, 1.1005

Triad

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



18.4031, 10.2673, 4.1438



4.7151, 10.2673, 2.8090



9.1803, 10.2673, 50.2774

Complementary

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



18.4031, 10.2673, 4.1438



21.6052, 32.6278, 36.6165

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.



6.0442, 10.2673, 40.6921



18.4031, 10.2673, 4.1438



3.9504, 10.2673, 9.5725

Square

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



18.4031, 10.2673, 4.1438



6.8180, 10.2673, 0.7645



4.3609, 10.2673, 23.5364



13.4428, 10.2673, 44.8251

Rectangle

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



18.4031, 10.2673, 4.1438



11.7898, 10.2673, 0.4808



4.3609, 10.2673, 23.5364



7.9755, 10.2673, 48.5934

Sweetspot

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



18.4033, 10.2679, 4.1440



53.2900, 48.0445, 48.1261



21.5307, 11.0779, 40.5382



11.1377, 9.7803, 9.6143



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.4033, 10.2679, 4.1440



31.2700, 16.2293, 3.0986



20.7688, 15.4926, 3.4100



8.0436, 8.0307, 8.5404



12.7730, 6.5718, 1.1844



0.3676, 0.1877, 0.0974

Inverse Universe

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



18.4033, 10.2679, 4.1440



31.2700, 16.2293, 3.0986



15.1670, 17.2856, 42.0718



8.0436, 8.0307, 8.5404



12.7730, 6.5718, 1.1844



0.3676, 0.1877, 0.0974

Previews

White Background



This preview shows how the XYZ color 18.4031, 10.2673, 4.1438 looks on a white background.

Color Contrast Check

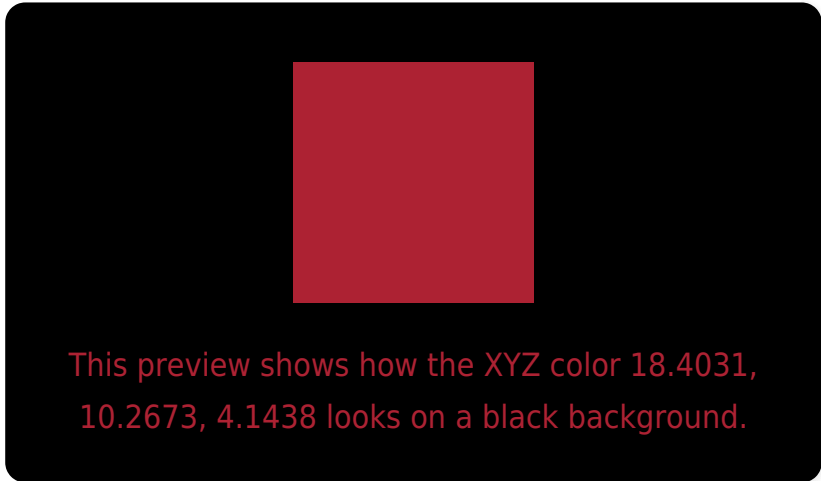
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4031, 10.2673, 4.1438

Background



This preview shows how black text looks on a background with the XYZ color 18.4031, 10.2673, 4.1438.



This preview shows how white text looks on a background with the XYZ color 18.4031, 10.2673,

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

18.4031, 10.2673, 4.1438

Protanopia

9.9154, 10.5338, 7.4719

Deuteranopia

10.6543, 10.5015, 3.7510



Tritanopia

18.2291, 10.3409, 2.7855

Trichromacy



Original Color

18.4031, 10.2673, 4.1438

Protanomaly

11.5730, 9.1105, 5.9990

Deuteranomaly

12.5519, 9.4824, 3.7535

Tritanomaly

18.2824, 10.3132, 3.2175

Monochromacy



Original Color

18.4031, 10.2673, 4.1438

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.5761, 7.3733, 6.3873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4031, 10.2673, 4.1438 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(173, 34, 51)` looks like.

```
.text, #text, p{  
    color:rgb(173, 34, 51)  
}
```

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(173, 34, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 34, 51) }
```

Border

The CSS property to change the border of an element to XYZ 18.4031, 10.2673, 4.1438 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(173, 34, 51) }
```


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

```
.border{ border-color:rgb(173, 34, 51) }
```

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

Here you see how a box with a 4 pixel rgb(173, 34, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 34, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 34, 51);  
box-shadow:4px 4px 4px 4px rgb(173, 34,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4031, 10.2673, 4.1438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 34, 51) }
```

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

```
.background{ background-color: rgb(173, 34,  
51) }
```

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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