

Converting Colors

XYZ(18.4008, 9.3614, 6.4906)

Have a look what the booklet for
XYZ(18.4008, 9.3614, 6.4906)
contains.

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Color

**XYZ(18.3078, 9.3139,
6.4631)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0045
RGB	173, 0, 69
RGB Percent	68%, 0%, 27%
CMY	0.3216, 0.9999, 0.7294
CMYK	0.00, 1.00, 0.60, 0.32
HSL	336°, 100%, 34%
HSV	336°, 100%, 68%
XYZ	18.3078, 9.3139, 6.4631
YIQ	59.5930, 80.9590, 58.1350

Conversions

Conversions Part 2

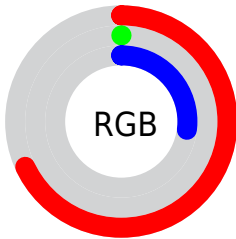
Format	Color
R_{YB}	173, 0, 69
Decimal	11337797
CIE _{Lab}	36.58, 62.11, 12.64
CIE _{LCh}	37, 63.387, 11.503
Yxy	9.3139, 0.5371, 0.2733
Android (android.graphics.Color)	4289527877 (0xFFAD0045)
YUV	59.5930, 4.6377, 99.4579
Hunter-Lab	30.5187, 53.6724, 8.8069

Details

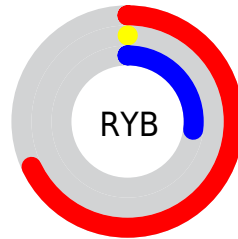
The XYZ color **18.3078, 9.3139, 6.4631** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.4439, 30.8873, 18.1461**, and the grayscale version is **4.2264, 4.4465, 4.8423**.

A 20% lighter version of the original color is **39.9386, 24.3687, 19.4283**, and **7.0079, 3.5898, 1.3605** is the 20% darker color. If you saturate the color by 10%, you get **18.3072, 9.3137, 6.4605**, and if you desaturate by 10%, it is **18.8651, 9.8657, 8.3841**.

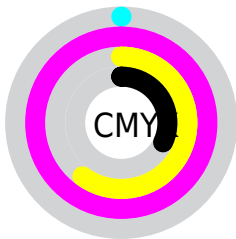
Distribution



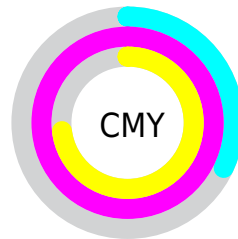
- Red (68%)
- Green (0%)
- Blue (27%)



- Red (68%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (32%)




- Cyan (32%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3078, 9.3139, 6.4631 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 18.3078, 9.3139, 6.4631 by changing the saturation by 10% instead.


 18.3078, 9.3139,
6.4631

 18.3078, 9.3139,
6.4631


235.6125,
185.7026, 172.5828


 11.2722, 4.9465,
3.0554


 40.0871, 24.4968,
19.3788


 6.3189, 2.2159,
1.1230


 55.5615, 36.0810,
29.7238


 3.0824, 0.7286,
0.0000

 74.5796, 50.8396,
43.2184

 1.1975, 0.0000,
0.0000

 97.5067, 69.1571,
60.2810

 0.1044, 0.0000,
0.0000

 124.7082, 91.4177,
81.3302

 0.0000, 0.0000,
0.0000

 156.5494,

118.0059, 106.7846

193.3957,
149.3061, 137.0626

■ 18.3078, 9.3139,
6.4631

■ 18.3078, 9.3139,
6.4631

■ 18.3072, 9.3137,
6.4605

■ 18.8651, 9.8657,
8.3841

■ 19.6608, 10.7993,
10.6773

■ 20.7685, 12.2577,
13.3801

■ 22.2233, 14.3074,
16.5159

■ 24.0552, 17.0049,
20.1062

■ 26.2910, 20.3998,
24.1705

■ 28.9546, 24.5370,
28.7270

■ 32.0683, 29.4578,
33.7929

■ 35.6525, 35.2000,
39.3846

Harmonies

Analogous

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



17.9298, 9.3139, 18.4973



18.3078, 9.3139, 6.4631



15.6616, 9.3139, 1.5676

Triad

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



18.3078, 9.3139, 6.4631



4.7865, 9.3139, 1.0963



6.6991, 9.3139, 46.6468

Complementary

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



18.3078, 9.3139, 6.4631



17.4439, 30.8873, 18.1461

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.



4.3737, 9.3139, 31.7772



18.3078, 9.3139, 6.4631



3.5118, 9.3139, 4.7790

Square

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



18.3078, 9.3139, 6.4631



7.4524, 9.3139, 0.0670



3.3867, 9.3139, 15.0024



10.4180, 9.3139, 48.5289

Rectangle

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



18.3078, 9.3139, 6.4631



12.8902, 9.3139, 0.5149



3.3867, 9.3139, 15.0024



5.7607, 9.3139, 42.6763

Sweetspot

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



18.3080, 9.3145, 6.4632



51.5789, 43.5098, 50.9855



13.2300, 5.9494, 39.9861



10.7705, 8.7710, 10.3393



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.



18.3080, 9.3145, 6.4632



32.6880, 16.6407, 11.0465



17.4392, 9.2953, 0.8758



8.1326, 8.0663, 9.0090



13.4761, 6.8530, 4.8864



0.4023, 0.2016, 0.2805

Inverse Universe

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



18.3080, 9.3145, 6.4632



32.6880, 16.6407, 11.0465



19.3818, 26.6945, 43.6661



8.1326, 8.0663, 9.0090



13.4761, 6.8530, 4.8864



0.4023, 0.2016, 0.2805

Previews

White Background



This preview shows how the XYZ color 18.3078, 9.3139, 6.4631 looks on a white background.

Color Contrast Check

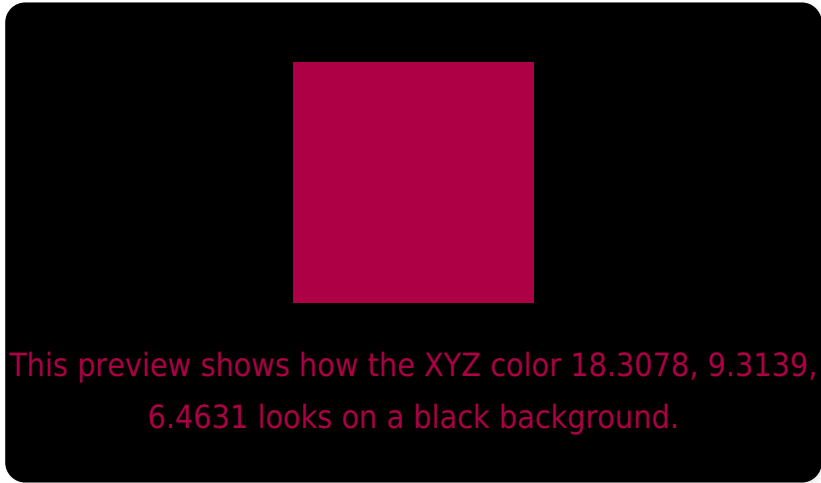
Large Text (above 18pt) WCAG AA ✓ Pass

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

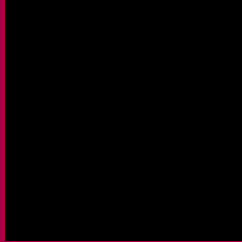
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3078, 9.3139, 6.4631

Background



This preview shows how black text looks on a background with the XYZ color 18.3078, 9.3139, 6.4631.



This preview shows how white text looks on a background with the XYZ color 18.3078, 9.3139,

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

18.3078, 9.3139, 6.4631

Protanopia

9.7692, 9.9453, 13.7167

Deuteranopia

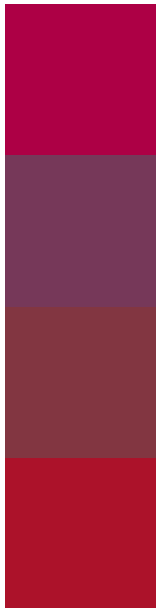
10.0619, 9.9090, 5.9397



Tritanopia

17.6150, 9.6757, 1.9165

Trichromacy



Original Color

18.3078, 9.3139, 6.4631

Protanomaly

10.6886, 7.4012, 10.3164

Deuteranomaly

11.4792, 7.7658, 5.8950

Tritanomaly

17.6475, 9.3704, 3.0690

Monochromacy



Original Color

18.3078, 9.3139, 6.4631

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.9571, 4.5118, 5.2068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3078, 9.3139, 6.4631 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, 0, 69)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 69)  
}
```

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, 0, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 69) }
```

Border

The CSS property to change the border of an element to XYZ 18.3078, 9.3139, 6.4631 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, 0, 69) }
```


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

```
.border{ border-color:rgb(173, 0, 69) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 69);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3078, 9.3139, 6.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 69) }
```

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

```
.background{ background-color: rgb(173, 0,  
69) }
```

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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