

Converting Colors

XYZ(18.3115, 9.3256, 6.0205)

Have a look what the booklet for
XYZ(18.3115, 9.3256, 6.0205)
contains.

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Color

**XYZ(18.2169, 9.2776,
5.9849)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0042
RGB	173, 0, 66
RGB Percent	68%, 0%, 26%
CMY	0.3216, 0.9999, 0.7412
CMYK	0.00, 1.00, 0.62, 0.32
HSL	337°, 100%, 34%
HSV	337°, 100%, 68%
XYZ	18.2169, 9.2776, 5.9849
YIQ	59.2510, 81.9220, 57.2020

Conversions

Conversions Part 2

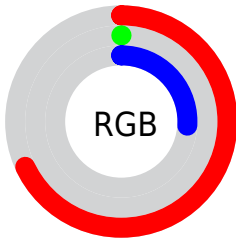
Format	Color
R_{YB}	173, 0, 66
Decimal	11337794
CIE Lab	36.51, 61.93, 14.50
CIE LCh	37, 63.604, 13.175
Yxy	9.2776, 0.5441, 0.2771
Android (android.graphics.Color)	4289527874 (0xFFAD0042)
YUV	59.2510, 3.3273, 99.7579
Hunter-Lab	30.4592, 53.4531, 9.6716

Details

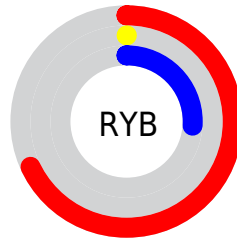
The XYZ color **18.2169, 9.2776, 5.9849** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.5992, 30.9492, 18.9644**, and the grayscale version is **4.1814, 4.3991, 4.7907**.

A 20% lighter version of the original color is **40.0376, 24.4464, 18.2312**, and **6.9749, 3.5767, 1.1869** is the 20% darker color. If you saturate the color by 10%, you get **18.2162, 9.2773, 5.9819**, and if you desaturate by 10%, it is **18.7681, 9.8270, 7.8738**.

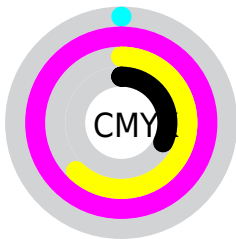
Distribution



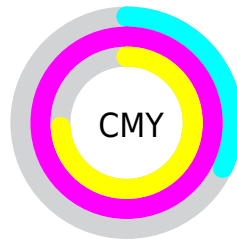
- Red (68%)
- Green (0%)
- Blue (26%)



- Red (68%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2169, 9.2776, 5.9849 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 18.2169, 9.2776, 5.9849 by changing the saturation by 10% instead.


 18.2169, 9.2776,
5.9849


 18.2169, 9.2776,
5.9849


235.1128,
185.4355, 168.2377


 11.2065, 4.9227,
2.7673


 39.9338, 24.4276,
18.3767


 6.2742, 2.2020,
0.9771


 55.3709, 35.9914,
28.3879


 3.0548, 0.7211,
0.0000

 74.3476, 50.7270,
41.5007

 1.1828, 0.0000,
0.0000

 97.2293, 69.0188,
58.1337

 0.0927, 0.0000,
0.0000

 124.3813, 91.2512,
78.7053

 0.0000, 0.0000,
0.0000

 156.1690,

117.8085, 103.6342

192.9577,
149.0751, 133.3388

■ 18.2169, 9.2776,
5.9849

■ 18.2169, 9.2776,
5.9849

■ 18.2162, 9.2773,
5.9819

■ 18.7681, 9.8270,
7.8738

■ 19.5605, 10.7593,
10.1494

■ 20.6679, 12.2178,
12.8504

■ 22.1257, 14.2688,
16.0018

■ 23.9642, 16.9690,
19.6259

■ 26.2101, 20.3681,
23.7435

■ 28.8879, 24.5111,
28.3739

■ 32.0197, 29.4392,
33.5353

■ 35.6264, 35.1906,
39.2449

Harmonies

Analogous

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



18.0188, 9.2776, 17.6019



18.2169, 9.2776, 5.9849



15.4259, 9.2776, 1.4149

Triad

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



18.2169, 9.2776, 5.9849



4.6471, 9.2776, 1.1718



6.8367, 9.2776, 47.2533

Complementary

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



18.2169, 9.2776, 5.9849



17.5992, 30.9492, 18.9644

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.



4.4320, 9.2776, 32.7918



18.2169, 9.2776, 5.9849



3.4449, 9.2776, 5.1076

Square

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



18.2169, 9.2776, 5.9849



7.2300, 9.2776, 0.0716



3.3799, 9.2776, 15.7724



10.6232, 9.2776, 48.2419

Rectangle

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



18.2169, 9.2776, 5.9849



12.6160, 9.2776, 0.4331



3.3799, 9.2776, 15.7724



5.8709, 9.2776, 43.4986

Sweetspot

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



18.2171, 9.2782, 5.9850



51.4569, 43.4610, 50.3432



13.5699, 6.1247, 40.0017



10.7416, 8.7594, 10.1872



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.



18.2171, 9.2782, 5.9850



32.5276, 16.5765, 10.2019



17.4875, 9.3920, 0.8920



8.1269, 8.0640, 8.9791



13.4087, 6.8260, 4.5318



0.4002, 0.2008, 0.2690

Inverse Universe

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



18.2171, 9.2782, 5.9850



32.5276, 16.5765, 10.2019



18.9049, 25.7408, 43.5068



8.1269, 8.0640, 8.9791



13.4087, 6.8260, 4.5318



0.4002, 0.2008, 0.2690

Previews

White Background



This preview shows how the XYZ color 18.2169, 9.2776, 5.9849 looks on a white background.

Color Contrast Check

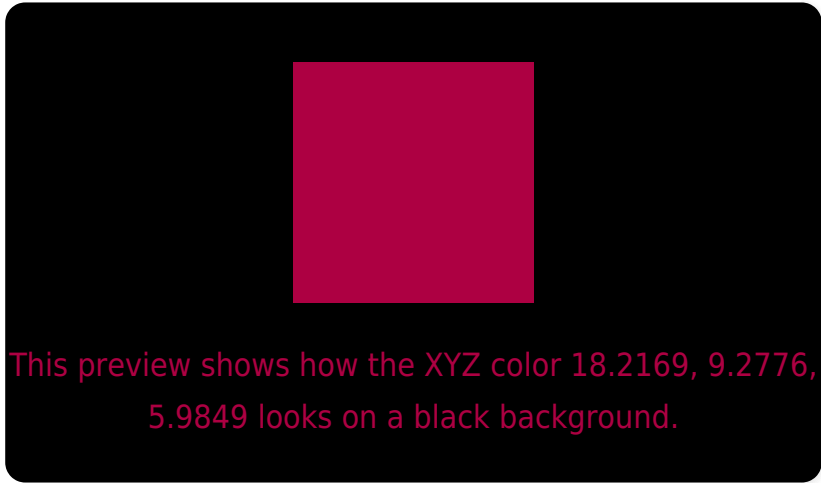
Large Text (above 18pt) WCAG AA ✓ Pass

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

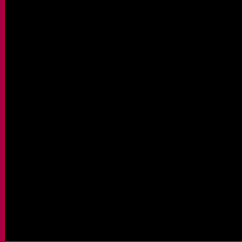
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.2169, 9.2776, 5.9849

Background



This preview shows how black text looks on a background with the XYZ color 18.2169, 9.2776, 5.9849.



This preview shows how white text looks on a background with the XYZ color 18.2169, 9.2776,

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

18.2169, 9.2776, 5.9849

Protanopia

9.6719, 9.9172, 12.7137

Deuteranopia

10.1013, 9.9386, 5.5236



Tritanopia

17.5581, 9.5796, 1.8433

Trichromacy



Original Color

18.2169, 9.2776, 5.9849

Protanomaly

10.7016, 7.4222, 9.6727

Deuteranomaly

11.5487, 7.8114, 5.4565

Tritanomaly

17.5967, 9.3248, 2.8799

Monochromacy



Original Color

18.2169, 9.2776, 5.9849

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.8181, 4.4434, 5.0557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2169, 9.2776, 5.9849 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 66)  
}
```

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, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 66) }
```

Border

The CSS property to change the border of an element to XYZ 18.2169, 9.2776, 5.9849 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, 66) }
```


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

```
.border{ border-color:rgb(173, 0, 66) }
```

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, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(173, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2169, 9.2776, 5.9849 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, 66) }
```

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

```
.background{ background-color: rgb(173, 0,  
66) }
```

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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