

Converting Colors

XYZ(16.6002, 9.2033, 0.9015)

Have a look what the booklet for
XYZ(16.6002, 9.2033, 0.9015)
contains.

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Color

**XYZ(16.5878, 9.2036,
0.9022)**

Conversions

Conversions Part 1

Format	Color
Hex	A81D00
RGB	168, 29, 0
RGB Percent	66%, 11%, 0%
CMY	0.3412, 0.8862, 1.0000
CMYK	0.00, 0.83, 1.00, 0.34
HSL	10°, 100%, 33%
HSV	10°, 100%, 66%
XYZ	16.5878, 9.2036, 0.9022
YIQ	67.2550, 92.1530, 20.4490

Conversions

Conversions Part 2

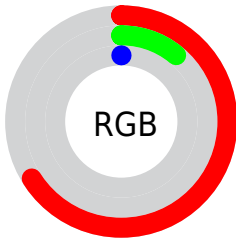
Format	Color
RYB	168, 35, 0
Decimal	11017472
CIELab	36.37, 53.67, 49.81
CIELCh	36, 73.221, 42.863
Yxy	9.2036, 0.6214, 0.3448
Android (android.graphics.Color)	4289207552 (0xFFA81D00)
YUV	67.2550, -33.1567, 88.3534
Hunter-Lab	30.3374, 44.5091, 19.4730

Details

The XYZ color **16.5878, 9.2036, 0.9022** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.2984, 21.2883, 40.2954**, and the grayscale version is **5.4173, 5.6994, 6.2067**.

A 20% lighter version of the original color is **37.0204, 24.1987, 5.7372**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.5880, 9.2041, 0.9023**, and if you desaturate by 10%, it is **17.1086, 10.0860, 1.5673**.

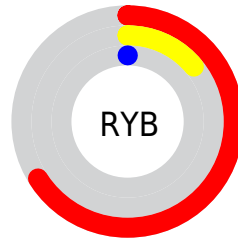
Distribution



Red (66%)

Green (11%)

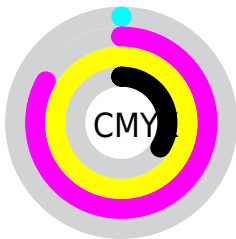
Blue (0%)



Red (66%)

Yellow (14%)

Blue (0%)

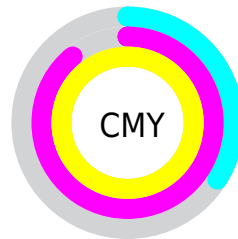


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (89%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5878, 9.2036, 0.9022 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 16.5878, 9.2036, 0.9022 by changing the saturation by 10% instead.


 16.5878, 9.2036,
0.9022


 16.5878, 9.2036,
0.9022


 225.9885,
184.8896, 101.9524


 10.0345, 4.8742,
0.0000


 37.1650, 24.2864,
5.7358


 5.4843, 2.1737,
0.0000

 51.9195, 35.8085,
10.6727


 2.5718, 0.7056,
0.0000

 70.1386, 50.4971,
17.8481

 0.9316, 0.0000,
0.0000


 92.1875, 68.7365,
27.6806


 0.0000, 0.0000,
0.0000

 118.4316, 90.9110,
40.5888


 149.2362,


117.4051, 56.9911


 184.9667,
148.6031, 77.3061


 16.5878, 9.2036,
0.9022


 16.5878, 9.2036,
0.9022


 16.5880, 9.2041,
0.9023

 17.1086, 10.0860,
1.5673

 17.8851, 11.3456,
2.7306

 18.9675, 13.0282,
4.5781

 20.3852, 15.1679,
7.1951

 22.1638, 17.7954,
10.6543

■ 24.3265, 20.9385,
15.0201

■ 26.8944, 24.6229,
20.3505

■ 29.8871, 28.8727,
26.6987

■ 33.3228, 33.7103,
34.1139

Harmonies

Analogous

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



19.9468, 9.2036, 5.5150



16.5878, 9.2036, 0.9022



11.5033, 9.2036, 0.0000

Triad

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



16.5878, 9.2036, 0.9022



2.8743, 9.2036, 4.4176



10.7828, 9.2036, 57.5255

Complementary

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



16.5878, 9.2036, 0.9022



16.2984, 21.2883, 40.2954

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.



6.4717, 9.2036, 56.0299



16.5878, 9.2036, 0.9022



2.7968, 9.2036, 16.4865

Square

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



16.5878, 9.2036, 0.9022



4.1411, 9.2036, 0.6322



3.8743, 9.2036, 37.4326



15.9095, 9.2036, 40.6141

Rectangle

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



16.5878, 9.2036, 0.9022



8.3295, 9.2036, 0.0000



3.8743, 9.2036, 37.4326



9.1798, 9.2036, 59.4094

Sweetspot

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



16.5880, 9.2042, 0.9023



48.5278, 44.2875, 36.3490



20.8819, 10.2182, 25.6825



10.1514, 9.0438, 7.0341



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.5880, 9.2042, 0.9023



29.9928, 16.4848, 1.6011



21.9424, 19.9130, 2.6871



7.6320, 7.7440, 7.8818



12.5540, 7.0053, 0.6905



0.3349, 0.2294, 0.0266

Inverse Universe

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



16.2984, 21.2883, 40.2954



29.4365, 38.3519, 73.0763



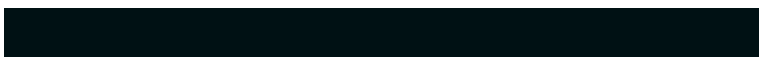
8.4820, 5.6555, 37.6899



7.6357, 8.3083, 9.6196



12.3409, 16.1420, 30.4408



0.3284, 0.4490, 0.7500

Previews

White Background



This preview shows how the XYZ color 16.5878, 9.2036, 0.9022 looks on a white background.

Color Contrast Check

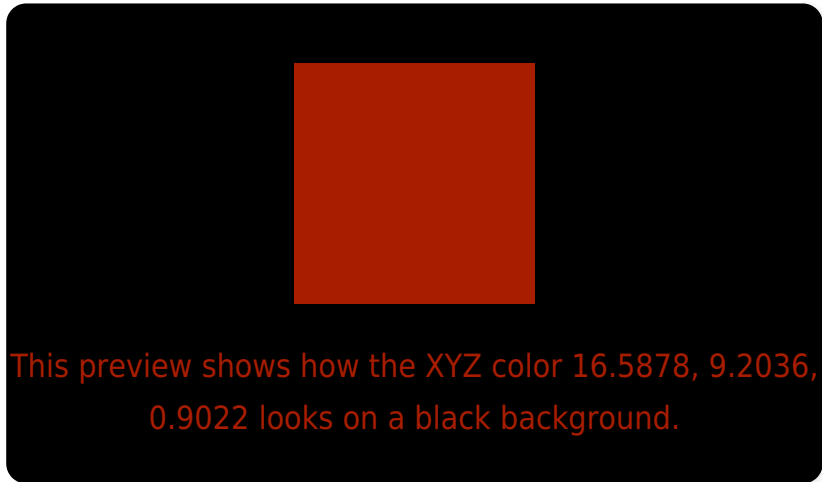
Large Text (above 18pt) WCAG AA ✓ Pass

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

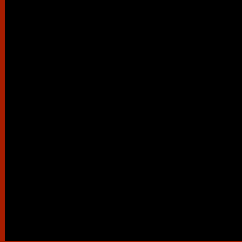
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5878, 9.2036, 0.9022

Background



This preview shows how black text looks on a background with the XYZ color 16.5878, 9.2036, 0.9022.



This preview shows how white text looks on a background with the XYZ color 16.5878, 9.2036,

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

16.5878, 9.2036, 0.9022

Protanopia

8.5715, 9.4636, 2.0367

Deuteranopia

9.5237, 9.5015, 1.3320



Tritanopia

16.7268, 9.1833, 1.8682

Trichromacy



Original Color

16.5878, 9.2036, 0.9022

Protanomaly

10.1892, 8.1364, 1.4142

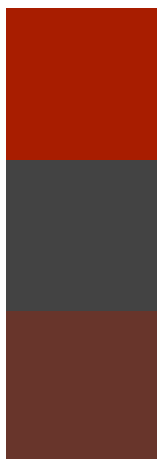
Deuteranomaly

11.1376, 8.3803, 1.0305

Tritanomaly

16.6649, 9.1958, 1.4269

Monochromacy



Original Color

16.5878, 9.2036, 0.9022

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.4181, 5.6637, 2.9877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5878, 9.2036, 0.9022 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(168, 29, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 29, 0)  
}
```

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(168, 29, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 29, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5878, 9.2036, 0.9022 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(168, 29, 0) }
```


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

```
.border{ border-color:rgb(168, 29, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 29, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 29, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 29, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 29, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5878, 9.2036, 0.9022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 29, 0) }
```

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

```
.background{ background-color: rgb(168, 29,  
0) }
```

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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