

Converting Colors

XYZ(15.9718, 9.8090, 1.4994)

Have a look what the booklet for
XYZ(15.9718, 9.8090, 1.4994)
contains.

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Color

**XYZ(16.0435, 9.8298,
1.5037)**

Conversions

Conversions Part 1

Format	Color
Hex	A2300F
RGB	162, 48, 15
RGB Percent	64%, 19%, 6%
CMY	0.3647, 0.8117, 0.9412
CMYK	0.00, 0.70, 0.91, 0.36
HSL	13°, 83%, 35%
HSV	13°, 91%, 64%
XYZ	16.0435, 9.8298, 1.5037
YIQ	78.3240, 78.5370, 13.9050

Conversions

Conversions Part 2

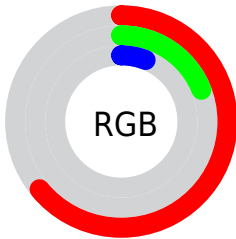
Format	Color
R_{YB}	162, 58, 15
Decimal	10629135
CIE Lab	37.54, 45.57, 44.32
CIE LCh	38, 63.568, 44.201
Yxy	9.8298, 0.5860, 0.3591
Android (android.graphics.Color)	4288819215 (0xFFA2300F)
YUV	78.3240, -31.2187, 73.3839
Hunter-Lab	31.3525, 36.4739, 19.1031

Details

The XYZ color **16.0435, 9.8298, 1.5037** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.5679, 18.4089, 36.9677**, and the grayscale version is **7.3504, 7.7332, 8.4215**.

A 20% lighter version of the original color is **36.2637, 25.5025, 7.5686**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.5425, 8.9659, 0.9114**, and if you desaturate by 10%, it is **16.7961, 11.0731, 2.5624**.

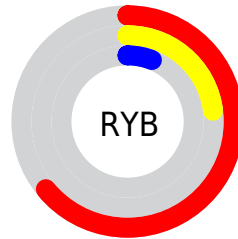
Distribution



Red (64%)

Green (19%)

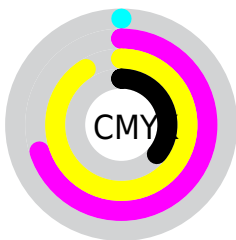
Blue (6%)



Red (64%)

Yellow (23%)

Blue (6%)

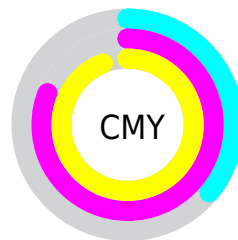


Cyan (0%)

Magenta (70%)

Yellow (91%)

Black (36%)



Cyan (36%)


Magenta (81%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.0435, 9.8298, 1.5037 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 16.0435, 9.8298, 1.5037 by changing the saturation by 10% instead.


 16.0435, 9.8298,
1.5037


 16.0435, 9.8298,
1.5037


 222.8636,
189.4530, 114.1201


 9.6460, 5.2863,
0.2207


 36.2305, 25.4749,
7.6332


 5.2253, 2.4162,
0.0000

 50.7508, 37.3452,
13.4916


 2.4162, 0.8342,
0.0000

 68.7093, 52.4266,
21.7704

 0.8532, 0.0000,
0.0000

 90.4715, 71.1034,
32.8882


 0.0000, 0.0000,
0.0000

 116.4026, 93.7600,
47.2635


 146.8681,


120.7809, 65.3149


 182.2333,
152.5504, 87.4609


 16.0435, 9.8298,
1.5037


 16.0435, 9.8298,
1.5037


 15.5425, 8.9659,
0.9114

 16.7961, 11.0731,
2.5624

 17.8127, 12.6724,
4.2392

 19.1178, 14.6540,
6.6121

 20.7327, 17.0413,
9.7475

 22.6764, 19.8556,
13.7040

■ 24.9666, 23.1168,
18.5341

■ 27.6194, 26.8433,
24.2864

■ 30.6500, 31.0528,
31.0055

■ 34.0728, 35.7618,
38.7332

Harmonies

Analogous

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



19.0053, 9.8298, 6.1430



16.0435, 9.8298, 1.5037



11.6068, 9.8298, 0.2481

Triad

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



16.0435, 9.8298, 1.5037



3.7087, 9.8298, 5.7407



11.3680, 9.8298, 49.6386

Complementary

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



16.0435, 9.8298, 1.5037



14.5679, 18.4089, 36.9677

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.



7.3944, 9.8298, 49.1959



16.0435, 9.8298, 1.5037



3.6787, 9.8298, 17.0960

Square

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



16.0435, 9.8298, 1.5037



4.9275, 9.8298, 1.3889



4.8287, 9.8298, 34.7068



15.8261, 9.8298, 35.6712

Rectangle

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



16.0435, 9.8298, 1.5037



8.7887, 9.8298, 0.0922



4.8287, 9.8298, 34.7068



9.9200, 9.8298, 51.3724

Sweetspot

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



16.0437, 9.8304, 1.5038



46.8057, 44.0557, 36.8293



19.1104, 9.6388, 22.0251



10.1795, 9.4250, 7.5562



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.0437, 9.8304, 1.5038



28.0881, 16.0202, 1.6118



21.7451, 21.2331, 3.4043



7.1968, 7.3320, 7.4160



12.2726, 7.1192, 0.7273



0.2902, 0.2142, 0.0260

Inverse Universe

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



14.5679, 18.4089, 36.9677



25.1377, 31.3321, 66.7789



8.1645, 5.6020, 34.8332



7.1406, 7.7402, 9.0207



11.0111, 13.8016, 29.0134



0.2629, 0.3530, 0.6201

Previews

White Background



This preview shows how the XYZ color 16.0435, 9.8298, 1.5037 looks on a white background.

Color Contrast Check

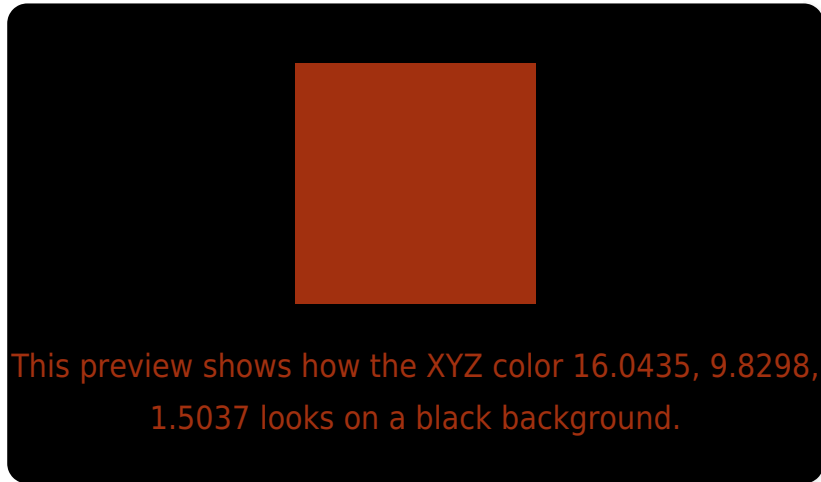
Large Text (above 18pt) WCAG AA ✓ Pass

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

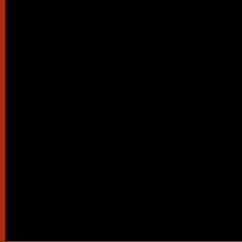
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0435, 9.8298, 1.5037

Background



This preview shows how black text looks on a background with the XYZ color 16.0435, 9.8298, 1.5037.



This preview shows how white text looks on a background with the XYZ color 16.0435, 9.8298,

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

16.0435, 9.8298, 1.5037

Protanopia

9.0872, 10.0918, 2.3887

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

16.5557, 9.8685, 3.7216

Trichromacy



Original Color

16.0435, 9.8298, 1.5037

Protanomaly

10.8198, 9.2973, 1.9337

Deuteranomaly

11.7048, 9.4710, 1.3548

Tritanomaly

16.3846, 9.8619, 2.6301

Monochromacy



Original Color

16.0435, 9.8298, 1.5037

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.0034, 7.5414, 4.5955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0435, 9.8298, 1.5037 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(162, 48, 15)` looks like.

```
.text, #text, p{  
    color:rgb(162, 48, 15)  
}
```

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(162, 48, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 48, 15) }
```

Border

The CSS property to change the border of an element to XYZ 16.0435, 9.8298, 1.5037 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(162, 48, 15) }
```


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

```
.border{ border-color:rgb(162, 48, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 48, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 48, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 48, 15);  
box-shadow:4px 4px 4px 4px rgb(162, 48,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0435, 9.8298, 1.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 48, 15) }
```

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

```
.background{ background-color: rgb(162, 48,  
15) }
```

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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