

Converting Colors

XYZ(15.0397, 9.0283, 2.4085)

Have a look what the booklet for
XYZ(15.0397, 9.0283, 2.4085)
contains.

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Color

**XYZ(15.0430, 9.0057,
2.3843)**

Conversions

Conversions Part 1

Format	Color
Hex	9D2B21
RGB	157, 43, 33
RGB Percent	62%, 17%, 13%
CMY	0.3843, 0.8313, 0.8706
CMYK	0.00, 0.73, 0.79, 0.38
HSL	5°, 65%, 37%
HSV	5°, 79%, 62%
XYZ	15.0430, 9.0057, 2.3843
YIQ	75.9460, 71.1540, 21.0580

Conversions

Conversions Part 2

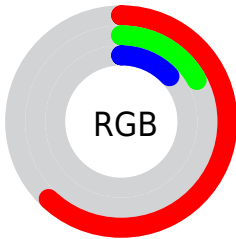
Format	Color
R_{YB}	157, 44, 33
Decimal	10300193
CIE _{Lab}	36.00, 46.34, 33.69
CIE _{LCh}	36, 57.296, 36.019
Yxy	9.0057, 0.5691, 0.3407
Android (android.graphics.Color)	4288490273 (0xFF9D2B21)
YUV	75.9460, -21.1724, 71.0844
Hunter-Lab	30.0095, 36.9609, 16.2960

Details

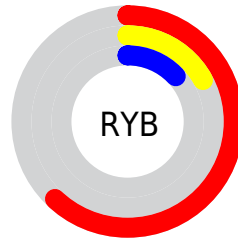
The XYZ color **15.0430, 9.0057, 2.3843** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.1453, 23.6224, 35.5538**, and the grayscale version is **6.8887, 7.2475, 7.8925**.

A 20% lighter version of the original color is **34.5633, 24.0049, 10.0194**, and **5.0370, 2.5967, 0.2357** is the 20% darker color. If you saturate the color by 10%, you get **14.4371, 8.0675, 1.3390**, and if you desaturate by 10%, it is **15.9376, 10.3574, 4.0319**.

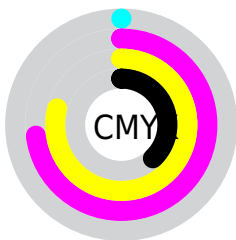
Distribution



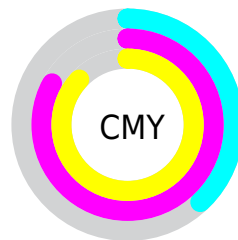
- Red (62%)
- Green (17%)
- Blue (13%)



- Red (62%)
- Yellow (17%)
- Blue (13%)



- Cyan (0%)
- Magenta (73%)
- Yellow (79%)
- Black (38%)



- Cyan (38%)
- Magenta (83%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0430, 9.0057, 2.3843 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 15.0430, 9.0057, 2.3843 by changing the saturation by 10% instead.


 15.0430, 9.0057,
2.3843


 15.0430, 9.0057,
2.3843


217.0096,
183.4204, 128.0847


 8.9361, 4.7449,
0.7779


 34.4996, 23.9077,
10.0671


 4.7563, 2.0984,
0.0000

 48.5801, 35.3177,
16.9923


 2.1383, 0.6637,
0.0000

 66.0490, 49.8795,
26.5314

 0.7099, 0.0000,
0.0000

 87.2719, 67.9776,
39.1030

 0.0000, 0.0000,
0.0000

 112.6140, 89.9964,
55.1255

 142.4408,

116.3202, 75.0176

177.1175,
147.3334, 99.1978

15.0430, 9.0057,
2.3843

15.0430, 9.0057,
2.3843

14.4371, 8.0675,
1.3390

15.9376, 10.3574,
4.0319

14.0722, 7.4895,
0.7499

17.1506, 12.1613,
6.3540

14.0442, 7.4475,
0.6973

18.7085, 14.4535,
9.4127

20.6351, 17.2658,
13.2634

22.9518, 20.6277,
17.9557

■ 25.6786, 24.5661,
23.5356

■ 28.8339, 29.1063,
30.0455

■ 32.4352, 34.2722,
37.5251

■ 36.4989, 40.0861,
46.0118

Harmonies

Analogous

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



16.8888, 9.0057, 7.9633



15.0430, 9.0057, 2.3843



11.5146, 9.0057, 0.6789

Triad

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



15.0430, 9.0057, 2.3843



3.8535, 9.0057, 3.9774



9.2667, 9.0057, 42.9052

Complementary

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



15.0430, 9.0057, 2.3843



17.1453, 23.6224, 35.5538

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.



6.1591, 9.0057, 38.9680



15.0430, 9.0057, 2.3843



3.5502, 9.0057, 11.9123

Square

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



15.0430, 9.0057, 2.3843



5.2504, 9.0057, 1.1053



4.2721, 9.0057, 25.5378



13.0296, 9.0057, 34.2279

Rectangle

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



15.0430, 9.0057, 2.3843



9.0235, 9.0057, 0.3428



4.2721, 9.0057, 25.5378



8.1120, 9.0057, 43.0613

Sweetspot

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



15.0432, 9.0062, 2.3844



43.2183, 39.9986, 36.4706



19.8518, 10.4172, 29.2864



9.1660, 8.3042, 7.3228



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.0432, 9.0062, 2.3844



25.3236, 13.5915, 1.5816



19.0558, 17.0315, 3.7220



6.6740, 6.7279, 6.9325



11.4189, 6.0734, 0.5704



0.2153, 0.1309, 0.0139

Inverse Universe

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



17.1453, 23.6224, 35.5538



29.0866, 40.5452, 63.4197



10.0996, 9.5310, 33.2053



6.7760, 7.4178, 8.4813



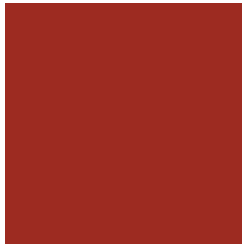
13.0960, 18.2836, 28.7461



0.2463, 0.3512, 0.5180

Previews

White Background



This preview shows how the XYZ color 15.0430, 9.0057, 2.3843 looks on a white background.

Color Contrast Check

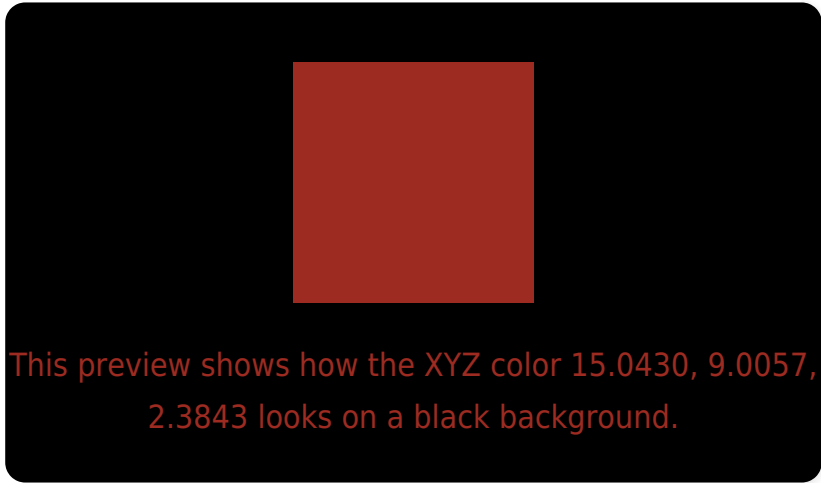
Large Text (above 18pt) WCAG AA ✓ Pass

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

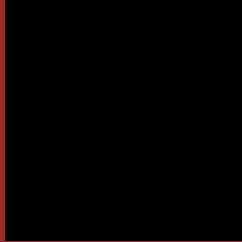
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0430, 9.0057, 2.3843

Background



This preview shows how black text looks on a background with the XYZ color 15.0430, 9.0057, 2.3843.



This preview shows how white text looks on a background with the XYZ color 15.0430, 9.0057,

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

15.0430, 9.0057, 2.3843

Protanopia

8.5208, 9.2779, 3.8244

Deuteranopia

9.2916, 9.1390, 2.1384



Tritanopia

15.1686, 8.9984, 3.2229

Trichromacy



Original Color

15.0430, 9.0057, 2.3843

Protanomaly

10.0616, 8.3920, 3.1873

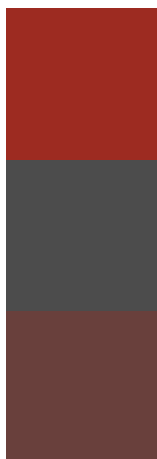
Deuteranomaly

10.8092, 8.5291, 2.1135

Tritanomaly

15.0988, 8.9705, 2.8551

Monochromacy



Original Color

15.0430, 9.0057, 2.3843

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.4747, 6.9963, 5.1787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0430, 9.0057, 2.3843 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(157, 43, 33)` looks like.

```
.text, #text, p{  
    color:rgb(157, 43, 33)  
}
```

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(157, 43, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 43, 33) }
```

Border

The CSS property to change the border of an element to XYZ 15.0430, 9.0057, 2.3843 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(157, 43, 33) }
```


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

```
.border{ border-color:rgb(157, 43, 33) }
```

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

Here you see how a box with a 4 pixel rgb(157, 43, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 43, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 43, 33);  
box-shadow:4px 4px 4px 4px rgb(157, 43,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0430, 9.0057, 2.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 43, 33) }
```

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

```
.background{ background-color: rgb(157, 43,  
33) }
```

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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