

Converting Colors

XYZ(15.0964, 9.7465, 18.6709)

Have a look what the booklet for
XYZ(15.0964, 9.7465, 18.6709)
contains.

XYZ(15.0471, 9.6941, 18.5308)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.0471, 9.6941,
18.5308)**

Conversions

Conversions Part 1

Format	Color
Hex	883B77
RGB	136, 59, 119
RGB Percent	53%, 23%, 47%
CMY	0.4667, 0.7686, 0.5333
CMYK	0.00, 0.57, 0.13, 0.47
HSL	313°, 39%, 38%
HSV	313°, 57%, 53%
XYZ	15.0471, 9.6941, 18.5308
YIQ	88.8630, 26.6320, 34.9840

Conversions

Conversions Part 2

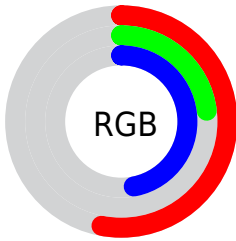
Format	Color
R_{YB}	136, 59, 119
Decimal	8928119
CIE _{Lab}	37.29, 40.80, -18.96
CIE _{LCh}	37, 44.986, 335.074
Yxy	9.6941, 0.3477, 0.2240
Android (android.graphics.Color)	4287118199 (0xFF883B77)
YUV	88.8630, 14.8575, 41.3391
Hunter-Lab	31.1353, 31.7787, -13.4928

Details

The XYZ color **15.0471, 9.6941, 18.5308** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.9128, 19.0603, 9.8894**, and the grayscale version is **9.4297, 9.9208, 10.8038**.

A 20% lighter version of the original color is **34.4125, 25.1685, 41.5723**, and **4.7834, 2.3704, 5.9998** is the 20% darker color. If you saturate the color by 10%, you get **14.2596, 8.4029, 17.3926**, and if you desaturate by 10%, it is **16.0231, 11.3527, 19.7601**.

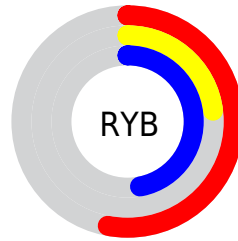
Distribution



Red (53%)

Green (23%)

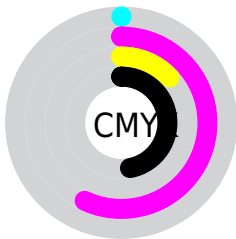
Blue (47%)



Red (53%)

Yellow (23%)

Blue (47%)

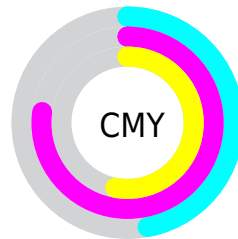


Cyan (0%)

Magenta (57%)

Yellow (13%)

Black (47%)



Cyan (47%)

Magenta (77%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0471, 9.6941, 18.5308 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 15.0471, 9.6941, 18.5308 by changing the saturation by 10% instead.

■ 15.0471, 9.6941,
18.5308

■ 15.0471, 9.6941,
18.5308

217.0339,
188.4747, 256.1819

■ 8.9390, 5.1966,
11.1584

■ 34.5068, 25.2185,
41.7658

■ 4.7582, 2.3631,
6.0580

■ 48.5890, 37.0143,
58.4655

■ 2.1394, 0.8068,
2.8110

■ 66.0600, 52.0115,
79.1113

■ 0.7105, 0.0000,
0.9990

■ 87.2851, 70.5947,
104.1219

■ 0.0000, 0.0000,
0.0000

■ 112.6297, 93.1482,
133.9157

■ 142.4591,

120.0565, 168.9113

177.1387,
151.7038, 209.5272

■ 15.0471, 9.6941,
18.5308

■ 15.0471, 9.6941,
18.5308

■ 14.2596, 8.4029,
17.3926

■ 16.0231, 11.3527,
19.7601

■ 13.6450, 7.4489,
16.3398

■ 17.1996, 13.4033,
21.0846

■ 13.1871, 6.7992,
15.3668

■ 18.5887, 15.8699,
22.5085

■ 12.8567, 6.3955,
14.4637

■ 20.2013, 18.7740,
24.0358

■ 12.7535, 6.2743,
14.1670

■ 22.0475, 22.1358,
25.6701

■ 24.1367, 25.9742,
27.4148

■ 26.4779, 30.3071,
29.2730

■ 29.0797, 35.1513,
31.2479

■ 31.9500, 40.5230,
33.3424

Harmonies

Analogous

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



12.6882, 9.6941, 29.0086



15.0471, 9.6941, 18.5308



15.7270, 9.6941, 9.2425

Triad

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



15.0471, 9.6941, 18.5308



8.7434, 9.6941, 1.4190



5.4555, 9.6941, 22.2067

Complementary

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



15.0471, 9.6941, 18.5308



11.9128, 19.0603, 9.8894

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.



4.8050, 9.6941, 11.9868



15.0471, 9.6941, 18.5308



6.4400, 9.6941, 2.2717

Square

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



15.0471, 9.6941, 18.5308



11.6891, 9.6941, 1.8139



5.1248, 9.6941, 5.2765



7.1155, 9.6941, 31.7831

Rectangle

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



15.0471, 9.6941, 18.5308



15.0389, 9.6941, 5.2536



5.1248, 9.6941, 5.2765



5.1288, 9.6941, 18.5837

Sweetspot

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



15.0474, 9.6946, 18.5310



35.3720, 32.6715, 42.1484



8.9638, 6.4296, 24.0614



8.0746, 7.3546, 9.6528



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.0474, 9.6946, 18.5310



24.7896, 14.2692, 30.1050



13.1961, 8.9540, 8.7820



5.1874, 5.1104, 6.0752



12.0742, 5.9398, 13.4271



0.0856, 0.0416, 0.1176

Inverse Universe

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



15.0474, 9.6946, 18.5310



24.7896, 14.2692, 30.1050



13.6559, 19.7576, 19.0687



5.1874, 5.1104, 6.0752



12.0742, 5.9398, 13.4271



0.0856, 0.0416, 0.1176

Previews

White Background



This preview shows how the XYZ color 15.0471, 9.6941, 18.5308 looks on a white background.

Color Contrast Check

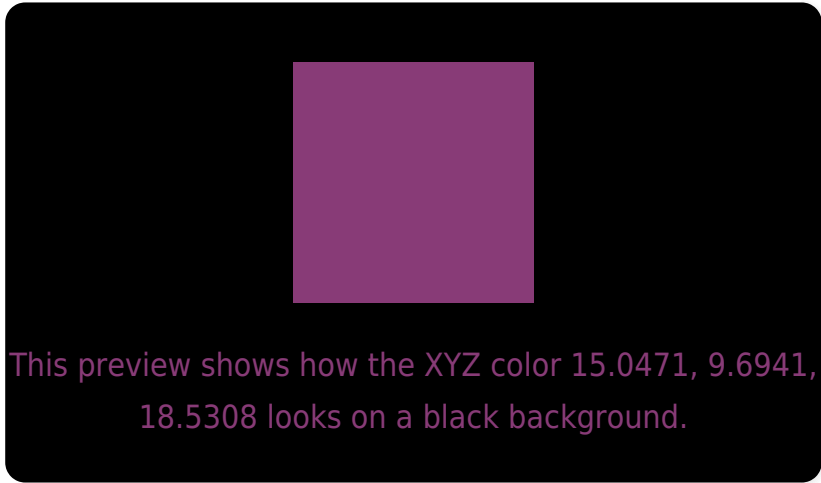
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0471, 9.6941, 18.5308

Background



This preview shows how black text looks on a background with the XYZ color 15.0471, 9.6941, 18.5308.



This preview shows how white text looks on a background with the XYZ color 15.0471, 9.6941,

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

15.0471, 9.6941, 18.5308

Protanopia

10.5998, 9.9684, 26.5647

Deuteranopia

10.0127, 9.8703, 17.2970



Tritanopia

12.8202, 9.7136, 7.8558

Trichromacy



Original Color

15.0471, 9.6941, 18.5308

Protanomaly

11.4017, 9.3284, 23.3899

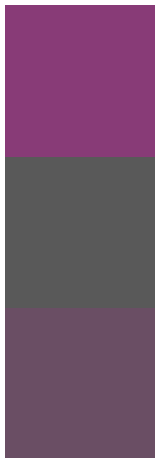
Deuteranomaly

11.2858, 9.3935, 17.7413

Tritanomaly

13.5094, 9.6383, 11.0459

Monochromacy



Original Color

15.0471, 9.6941, 18.5308

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.9685, 9.4330, 13.2992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0471, 9.6941, 18.5308 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(136, 59, 119)` looks like.

```
.text, #text, p{  
    color:rgb(136, 59, 119)  
}
```

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(136, 59, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 59, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.0471, 9.6941, 18.5308 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(136, 59, 119) }
```


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

```
.border{ border-color:rgb(136, 59, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 59, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 59, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 59, 119);  
box-shadow:4px 4px 4px 4px rgb(136, 59,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0471, 9.6941, 18.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 59, 119) }
```

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

```
.background{ background-color: rgb(136, 59,  
119) }
```

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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