

Converting Colors

XYZ(16.0249, 10.4972, 3.4175)

Have a look what the booklet for
XYZ(16.0249, 10.4972, 3.4175)
contains.

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Color

**XYZ(16.0824, 10.5642,
3.3819)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3B2A
RGB	158, 59, 42
RGB Percent	62%, 23%, 16%
CMY	0.3804, 0.7686, 0.8353
CMYK	0.00, 0.63, 0.73, 0.38
HSL	9°, 58%, 39%
HSV	9°, 73%, 62%
XYZ	16.0824, 10.5642, 3.3819
YIQ	86.6630, 64.4610, 15.7010

Conversions

Conversions Part 2

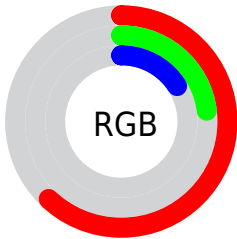
Format	Color
RYB	158, 62, 42
Decimal	10369834
CIELab	38.84, 40.19, 31.68
CIElCh	39, 51.170, 38.248
Yxy	10.5642, 0.5356, 0.3518
Android (android.graphics.Color)	4288559914 (0xFF9E3B2A)
YUV	86.6630, -22.0189, 62.5625
Hunter-Lab	32.5026, 31.4428, 16.5827

Details

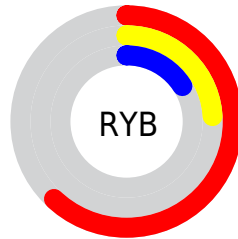
The XYZ color **16.0824, 10.5642, 3.3819** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.6502, 22.0086, 35.7180**, and the grayscale version is **9.0232, 9.4931, 10.3380**.

A 20% lighter version of the original color is **36.2508, 26.7619, 12.4874**, and **5.2555, 2.7093, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **15.2476, 9.2614, 1.9731**, and if you desaturate by 10%, it is **17.2082, 12.2708, 5.4379**.

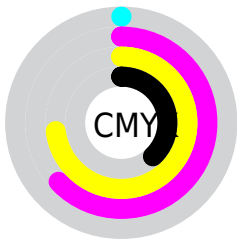
Distribution



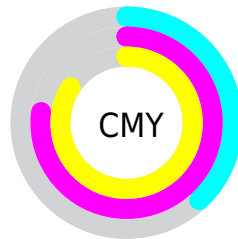
- Red (62%)
- Green (23%)
- Blue (16%)



- Red (62%)
- Yellow (24%)
- Blue (16%)



- Cyan (0%)
- Magenta (63%)
- Yellow (73%)
- Black (38%)





- Cyan (38%)
- Magenta (77%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0824, 10.5642, 3.3819 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 16.0824, 10.5642, 3.3819 by changing the saturation by 10% instead.


 16.0824, 10.5642,
3.3819


 16.0824, 10.5642,
3.3819


223.0883,
194.6528, 141.0852


 9.6737, 5.7746,
1.2928


 36.2975, 26.8514,
12.5571


 5.2437, 2.7085,
0.0559

 50.8346, 39.1179,
20.4803


 2.4272, 0.9815,
0.0000

 68.8119, 54.6454,
31.1852

 0.8587, 0.0000,
0.0000

 90.5947, 73.8183,
45.0904

 0.0000, 0.0000,
0.0000

 116.5483, 97.0212,
62.6145

 147.0383,

124.6383, 84.1760

182.4298,
157.0540, 110.1934

■ 16.0824, 10.5642,
3.3819

■ 16.0824, 10.5642,
3.3819

■ 15.2476, 9.2614,
1.9731

■ 17.2082, 12.2708,
5.4379

■ 14.6750, 8.3270,
1.1325

■ 18.6487, 14.4094,
8.2066

■ 14.4101, 7.8884,
0.7631

■ 20.4257, 17.0076,
11.7458

■ 22.5590, 20.0901,
16.1073

■ 25.0668, 23.6800,
21.3387

■ 27.9660, 27.7987,
27.4834

■ 31.2726, 32.4665,
34.5824

■ 35.0014, 37.7027,
42.6739

■ 39.1668, 43.5256,
51.7942

Harmonies

Analogous

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



17.9762, 10.5642, 9.0260



16.0824, 10.5642, 3.3819



12.6567, 10.5642, 1.4148

Triad

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



16.0824, 10.5642, 3.3819



5.1203, 10.5642, 5.8767



11.0058, 10.5642, 41.6533

Complementary

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



16.0824, 10.5642, 3.3819



16.6502, 22.0086, 35.7180

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.



7.8130, 10.5642, 39.0301



16.0824, 10.5642, 3.3819



4.8711, 10.5642, 14.3953

Square

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



16.0824, 10.5642, 3.3819



6.5208, 10.5642, 2.1863



5.7409, 10.5642, 27.3710



14.6433, 10.5642, 33.2873

Rectangle

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



16.0824, 10.5642, 3.3819



10.2417, 10.5642, 1.1126



5.7409, 10.5642, 27.3710



9.8429, 10.5642, 42.0898

Sweetspot

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



16.0826, 10.5648, 3.3821



46.0096, 43.6985, 39.7783



19.8510, 10.8940, 26.8579



10.0942, 9.4544, 8.3822



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.0826, 10.5648, 3.3821



26.9826, 15.6757, 2.5112



20.7024, 19.8043, 4.9220



6.7077, 6.7953, 6.9438



11.5601, 6.3558, 0.6175



0.2263, 0.1528, 0.0176

Inverse Universe

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



16.6502, 22.0086, 35.7180



27.9047, 37.2900, 64.4704



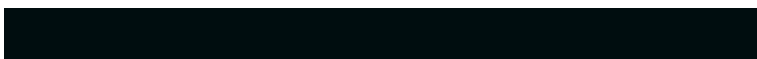
10.3382, 9.3846, 33.6140



6.7389, 7.3436, 8.4690



11.8857, 15.8629, 28.3426



0.2330, 0.3247, 0.5136

Previews

White Background



This preview shows how the XYZ color 16.0824, 10.5642, 3.3819 looks on a white background.

Color Contrast Check

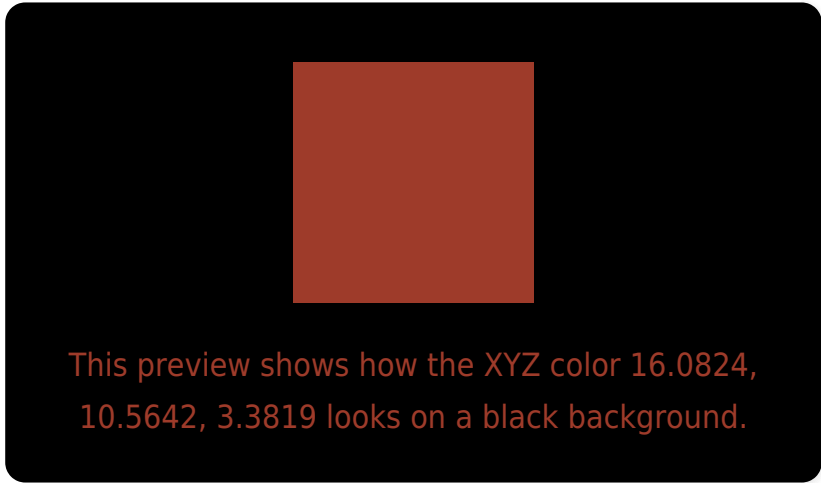
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0824, 10.5642, 3.3819

Background



This preview shows how black text looks on a background with the XYZ color 16.0824, 10.5642, 3.3819.



This preview shows how white text looks on a background with the XYZ color 16.0824, 10.5642,

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

16.0824, 10.5642, 3.3819

Protanopia

9.8366, 10.6780, 4.9108

Deuteranopia

10.8784, 10.7517, 3.1710



Tritanopia

16.5768, 10.6234, 5.4518

Trichromacy



Original Color

16.0824, 10.5642, 3.3819

Protanomaly

11.4491, 10.0966, 4.2511

Deuteranomaly

12.3638, 10.2730, 3.1650

Tritanomaly

16.4537, 10.6541, 4.5574

Monochromacy



Original Color

16.0824, 10.5642, 3.3819

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.6013, 9.2734, 7.1924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0824, 10.5642, 3.3819 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(158, 59, 42)` looks like.

```
.text, #text, p{  
    color:rgb(158, 59, 42)  
}
```

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(158, 59, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 59, 42) }
```

Border

The CSS property to change the border of an element to XYZ 16.0824, 10.5642, 3.3819 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(158, 59, 42) }
```


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

```
.border{ border-color:rgb(158, 59, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 59, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 59, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 59, 42);  
box-shadow:4px 4px 4px 4px rgb(158, 59,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0824, 10.5642, 3.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 59, 42) }
```

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

```
.background{ background-color: rgb(158, 59,  
42) }
```

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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