

Converting Colors

XYZ(16.4480, 9.9797, 3.2071)

Have a look what the booklet for
XYZ(16.4480, 9.9797, 3.2071)
contains.

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Color

**XYZ(16.3752, 9.9625,
3.2504)**

Conversions

Conversions Part 1

Format	Color
Hex	A2302A
RGB	162, 48, 42
RGB Percent	64%, 19%, 16%
CMY	0.3647, 0.8117, 0.8353
CMYK	0.00, 0.70, 0.74, 0.36
HSL	3°, 59%, 40%
HSV	3°, 74%, 64%
XYZ	16.3752, 9.9625, 3.2504
YIQ	81.4020, 69.8700, 22.3020

Conversions

Conversions Part 2

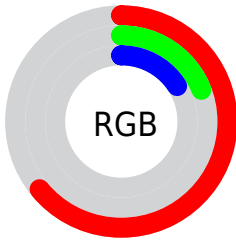
Format	Color
RYB	162, 48, 42
Decimal	10629162
CIELab	37.78, 46.43, 30.67
CIElCh	38, 55.647, 33.450
Yxy	9.9625, 0.5534, 0.3367
Android (android.graphics.Color)	4288819242 (0xFFA2302A)
YUV	81.4020, -19.4252, 70.6844
Hunter-Lab	31.5634, 37.3703, 15.9887

Details

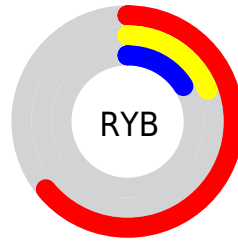
The XYZ color **16.3752, 9.9625, 3.2504** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.3636, 26.8752, 38.3491**, and the grayscale version is **7.9290, 8.3419, 9.0844**.

A 20% lighter version of the original color is **36.8466, 25.6999, 12.2511**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.6178, 8.8217, 1.8453**, and if you desaturate by 10%, it is **17.4686, 11.5880, 5.3458**.

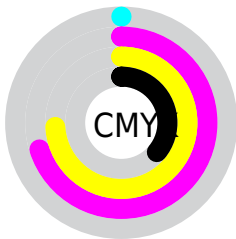
Distribution



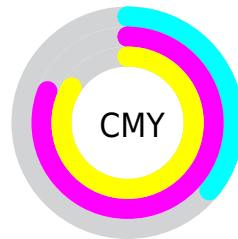
- Red (64%)
- Green (19%)
- Blue (16%)



- Red (64%)
- Yellow (19%)
- Blue (16%)



- Cyan (0%)
- Magenta (70%)
- Yellow (74%)
- Black (36%)



- Cyan (36%)
- Magenta (81%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3752, 9.9625, 3.2504 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 16.3752, 9.9625, 3.2504 by changing the saturation by 10% instead.

■ 16.3752, 9.9625,
3.2504

■ 16.3752, 9.9625,
3.2504

224.7728,
190.4042, 139.4886

■ 9.8826, 5.3741,
1.2239

■ 36.8006, 25.7249,
12.2403

■ 5.3828, 2.4684,
0.0000

■ 51.4640, 37.6678,
20.0408

■ 2.5106, 0.8607,
0.0000

■ 69.5818, 52.8309,
30.6029

■ 0.9006, 0.0000,
0.0000

■ 91.5192, 71.5986,
44.3454

■ 0.0000, 0.0000,
0.0000

■ 117.6417, 94.3555,
61.6866

■ 148.3145,

121.4857, 83.0452

183.9031,
153.3739, 108.8397

16.3752, 9.9625,
3.2504

16.3752, 9.9625,
3.2504

15.6178, 8.8217,
1.8453

17.4686, 11.5880,
5.3458

15.1568, 8.1105,
1.0423

18.9304, 13.7423,
8.2044

14.9882, 7.8574,
0.7267

20.7896, 16.4664,
11.8901

23.0726, 19.7967,
16.4601

25.8031, 23.7667,
21.9666

■ 29.0032, 28.4075,
28.4576

■ 32.6937, 33.7481,
35.9779

■ 36.8938, 39.8157,
44.5696

■ 41.6221, 46.6362,
54.2722

Harmonies

Analogous

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



18.0382, 9.9625, 9.7140



16.3752, 9.9625, 3.2504



12.8562, 9.9625, 1.0774

Triad

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



16.3752, 9.9625, 3.2504



4.5848, 9.9625, 4.2500



9.8854, 9.9625, 44.3562

Complementary

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



16.3752, 9.9625, 3.2504



19.3636, 26.8752, 38.3491

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.



6.7362, 9.9625, 39.3786



16.3752, 9.9625, 3.2504



4.1626, 9.9625, 12.0659

Square

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



16.3752, 9.9625, 3.2504



6.1854, 9.9625, 1.3496



4.8425, 9.9625, 25.5680



13.7476, 9.9625, 36.6669

Rectangle

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



16.3752, 9.9625, 3.2504



10.2685, 9.9625, 0.6884



4.8425, 9.9625, 25.5680



8.7123, 9.9625, 44.1211

Sweetspot

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



16.3754, 9.9631, 3.2506



47.7455, 44.4557, 41.7032



21.7289, 11.7376, 32.5727



10.4123, 9.5329, 8.7369



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.



16.3754, 9.9631, 3.2506



27.7440, 15.0798, 2.2739



20.6807, 18.5737, 4.6857



7.1009, 7.1402, 7.3840



11.8178, 6.2095, 0.5757



0.2564, 0.1466, 0.0148

Inverse Universe

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



19.3636, 26.8752, 38.3491



33.3716, 47.2657, 69.4204



11.6593, 11.4667, 35.7810



7.2456, 7.9502, 9.0557



14.2369, 20.2532, 30.0887



0.3077, 0.4427, 0.6351

Previews

White Background



This preview shows how the XYZ color 16.3752, 9.9625, 3.2504 looks on a white background.

Color Contrast Check

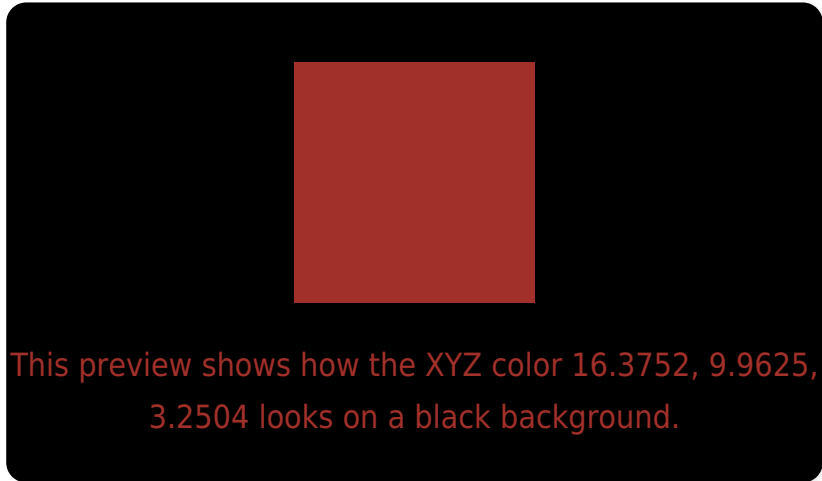
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3752, 9.9625, 3.2504

Background



This preview shows how black text looks on a background with the XYZ color 16.3752, 9.9625, 3.2504.



This preview shows how white text looks on a background with the XYZ color 16.3752, 9.9625,

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

16.3752, 9.9625, 3.2504

Protanopia

9.4070, 10.1945, 5.2133

Deuteranopia

10.3133, 10.2217, 3.0195



Tritanopia

16.4712, 9.9362, 3.9555

Trichromacy



Original Color

16.3752, 9.9625, 3.2504

Protanomaly

10.9988, 9.3361, 4.3543

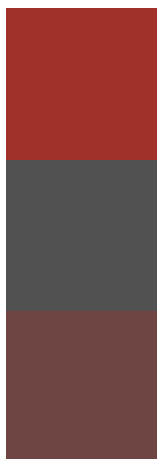
Deuteranomaly

11.8731, 9.5205, 3.0456

Tritanomaly

16.4099, 9.9117, 3.6330

Monochromacy



Original Color

16.3752, 9.9625, 3.2504

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.5716, 7.9765, 6.3453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3752, 9.9625, 3.2504 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(162, 48, 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(162, 48, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 48, 42) }
```

Border

The CSS property to change the border of an element to XYZ 16.3752, 9.9625, 3.2504 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, 42) }
```


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

```
.border{ border-color:rgb(162, 48, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 48, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 48, 42);  
box-shadow:4px 4px 4px 4px rgb(162, 48,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3752, 9.9625, 3.2504 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, 42) }
```

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

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