

Converting Colors

XYZ(16.4146, 9.5893, 5.0318)

Have a look what the booklet for
XYZ(16.4146, 9.5893, 5.0318)
contains.

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Color

**XYZ(16.4920, 9.6428,
4.9950)**

Conversions

Conversions Part 1

Format	Color
Hex	A22A3A
RGB	162, 42, 58
RGB Percent	64%, 16%, 23%
CMY	0.3647, 0.8353, 0.7725
CMYK	0.00, 0.74, 0.64, 0.36
HSL	352°, 59%, 40%
HSV	352°, 74%, 64%
XYZ	16.4920, 9.6428, 4.9950
YIQ	79.7040, 66.3840, 30.4160

Conversions

Conversions Part 2

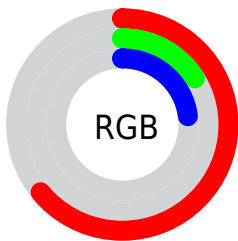
Format	Color
RYB	162, 42, 58
Decimal	10627642
CIELab	37.19, 49.60, 20.12
CIELCh	37, 53.521, 22.078
Yxy	9.6428, 0.5298, 0.3098
Android (android.graphics.Color)	4288817722 (0xFFA22A3A)
YUV	79.7040, -10.7001, 72.1736
Hunter-Lab	31.0529, 40.4579, 12.1999

Details

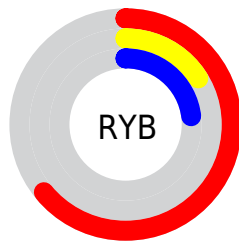
The XYZ color **16.4920, 9.6428, 4.9950** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.0644, 28.4086, 31.6759**, and the grayscale version is **7.5792, 7.9739, 8.6836**.

A 20% lighter version of the original color is **36.9487, 25.0989, 16.2618**, and **5.6870, 2.9210, 0.7543** is the 20% darker color. If you saturate the color by 10%, you get **15.7193, 8.5932, 3.2090**, and if you desaturate by 10%, it is **17.5949, 11.1969, 7.3718**.

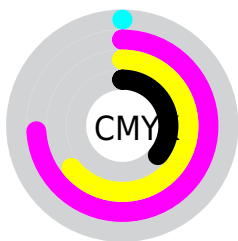
Distribution



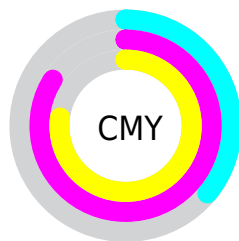
- Red (64%)
- Green (16%)
- Blue (23%)



- Red (64%)
- Yellow (16%)
- Blue (23%)



- Cyan (0%)
- Magenta (74%)
- Yellow (64%)
- Black (36%)





- Cyan (36%)
- Magenta (84%)
- Yellow (77%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4920, 9.6428, 4.9950 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 16.4920, 9.6428, 4.9950 by changing the saturation by 10% instead.


 16.4920, 9.6428,
4.9950

 16.4920, 9.6428,
4.9950


225.4414,
188.1033, 158.7148


 9.9660, 5.1628,
2.1856


 37.0008, 25.1214,
16.2463


 5.4385, 2.3431,
0.6661

 51.7144, 36.8889,
25.5253


 2.5442, 0.7964,
0.0000

 69.8879, 51.8542,
37.7980

 0.9176, 0.0000,
0.0000

 91.8867, 70.4018,
53.4829

 0.0000, 0.0000,
0.0000

 118.0760, 92.9161,
72.9984

 148.8214,

119.7816, 96.7632

184.4881,
151.3825, 125.1959

■ 16.4920, 9.6428,
4.9950

■ 16.4920, 9.6428,
4.9950

■ 15.7193, 8.5932,
3.2090

■ 17.5949, 11.1969,
7.3718

■ 15.2378, 7.9833,
1.9606

■ 19.0594, 13.3068,
10.3854

■ 15.0411, 7.7377,
1.4393

■ 20.9141, 16.0192,
14.0776

■ 23.1846, 19.3754,
18.4864

■ 25.8940, 23.4132,
23.6473

■ 29.0640, 28.1673,
29.5930

■ 32.7147, 33.6701,
36.3546

■ 36.8650, 39.9521,
43.9614

■ 41.5329, 47.0420,
52.4411

Harmonies

Analogous

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



17.1051, 9.6428, 13.2418



16.4920, 9.6428, 4.9950



13.7026, 9.6428, 1.6501

Triad

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



16.4920, 9.6428, 4.9950



4.9773, 9.6428, 2.7698



8.3088, 9.6428, 41.2555

Complementary

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



16.4920, 9.6428, 4.9950



19.0644, 28.4086, 31.6759

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.



5.7595, 9.6428, 32.6988



16.4920, 9.6428, 4.9950



4.1647, 9.6428, 8.1644

Square

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



16.4920, 9.6428, 4.9950



6.9582, 9.6428, 1.0168



4.4114, 9.6428, 19.0347



11.7955, 9.6428, 38.4042

Rectangle

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



16.4920, 9.6428, 4.9950



11.2854, 9.6428, 0.9231



4.4114, 9.6428, 19.0347



7.3287, 9.6428, 39.4970

Sweetspot

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



16.4922, 9.6434, 4.9952



47.9000, 43.8382, 44.6116



19.2040, 10.3762, 35.1729



10.4498, 9.3847, 9.4372



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.



16.4922, 9.6434, 4.9952



27.9041, 14.7857, 4.2215



18.6465, 14.5050, 4.0082



7.1104, 7.1006, 7.5679



11.8596, 6.0999, 1.1852



0.2597, 0.1324, 0.0802

Inverse Universe

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



16.4922, 9.6434, 4.9952



27.9041, 14.7857, 4.2215



13.9555, 16.0586, 36.5464



7.1104, 7.1006, 7.5679



11.8596, 6.0999, 1.1852



0.2597, 0.1324, 0.0802

Previews

White Background



This preview shows how the XYZ color 16.4920, 9.6428, 4.9950 looks on a white background.

Color Contrast Check

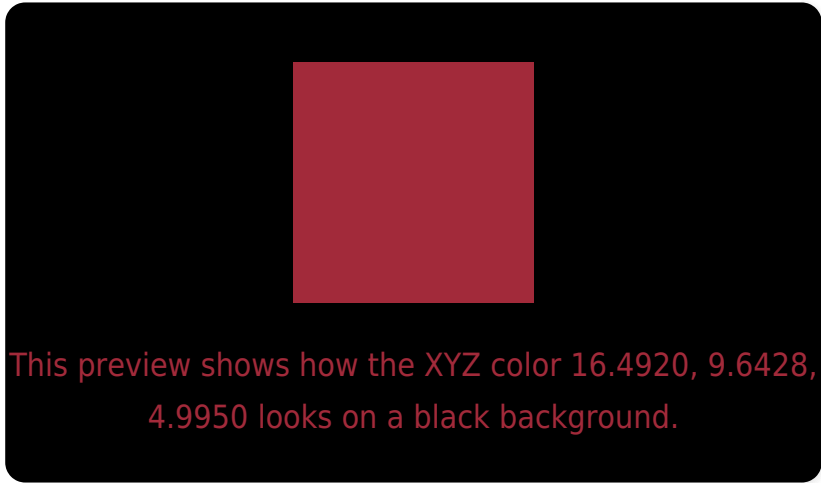
Large Text (above 18pt) WCAG AA ✓ Pass

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

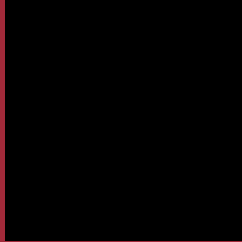
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4920, 9.6428, 4.9950

Background



This preview shows how black text looks on a background with the XYZ color 16.4920, 9.6428, 4.9950.



This preview shows how white text looks on a background with the XYZ color 16.4920, 9.6428,

4.9950.

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

16.4920, 9.6428, 4.9950

Protanopia

9.3435, 9.8424, 8.4285

Deuteranopia

10.0527, 9.9331, 4.6363



Tritanopia

16.2941, 9.6800, 3.5944

Trichromacy



Original Color

16.4920, 9.6428, 4.9950

Protanomaly

10.8299, 8.8002, 6.9222

Deuteranomaly

11.6961, 9.1118, 4.6323

Tritanomaly

16.3399, 9.6394, 4.0170

Monochromacy



Original Color

16.4920, 9.6428, 4.9950

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.5483, 7.6793, 7.1099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4920, 9.6428, 4.9950 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, 42, 58)` looks like.

```
.text, #text, p{  
    color:rgb(162, 42, 58)  
}
```

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, 42, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 42, 58) }
```

Border

The CSS property to change the border of an element to XYZ 16.4920, 9.6428, 4.9950 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, 42, 58) }
```


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

```
.border{ border-color:rgb(162, 42, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 42, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 42, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 42, 58);  
box-shadow:4px 4px 4px 4px rgb(162, 42,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4920, 9.6428, 4.9950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 42, 58) }
```

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

```
.background{ background-color: rgb(162, 42,  
58) }
```

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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