

Converting Colors

XYZ(16.2197, 9.5280, 3.4052)

Have a look what the booklet for
XYZ(16.2197, 9.5280, 3.4052)
contains.

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Color

**XYZ(16.1829, 9.5192,
3.3673)**

Conversions

Conversions Part 1

Format	Color
Hex	A22A2C
RGB	162, 42, 44
RGB Percent	64%, 16%, 17%
CMY	0.3647, 0.8353, 0.8275
CMYK	0.00, 0.74, 0.73, 0.36
HSL	359°, 59%, 40%
HSV	359°, 74%, 64%
XYZ	16.1829, 9.5192, 3.3673
YIQ	78.1080, 70.8780, 26.0620

Conversions

Conversions Part 2

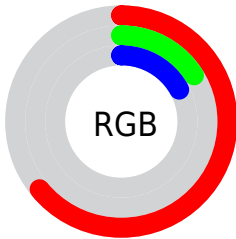
Format	Color
RYB	162, 42, 44
Decimal	10627628
CIELab	36.97, 48.83, 28.54
CIElCh	37, 56.557, 30.309
Yxy	9.5192, 0.5567, 0.3275
Android (android.graphics.Color)	4288817708 (0xFFA22A2C)
YUV	78.1080, -16.8152, 73.5733
Hunter-Lab	30.8532, 39.6324, 15.1264

Details

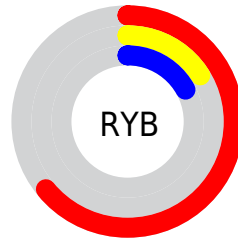
The XYZ color **16.1829, 9.5192, 3.3673** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.2214, 28.8713, 37.7686**, and the grayscale version is **7.2840, 7.6634, 8.3454**.

A 20% lighter version of the original color is **36.5516, 24.9755, 12.5671**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.4758, 8.4959, 1.9271**, and if you desaturate by 10%, it is **17.2376, 11.0541, 5.4906**.

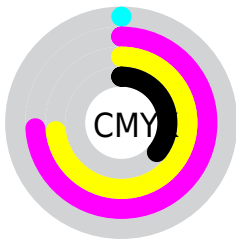
Distribution



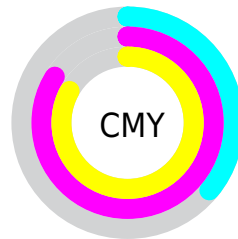
- Red (64%)
- Green (16%)
- Blue (17%)



- Red (64%)
- Yellow (16%)
- Blue (17%)



- Cyan (0%)
- Magenta (74%)
- Yellow (73%)
- Black (36%)





- Cyan (36%)
- Magenta (84%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1829, 9.5192, 3.3673 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 16.1829, 9.5192, 3.3673 by changing the saturation by 10% instead.


 16.1829, 9.5192,
3.3673


 16.1829, 9.5192,
3.3673

223.6678,
187.2052, 140.9094


 9.7453, 5.0814,
1.2851


 36.4703, 24.8872,
12.5221


 5.2914, 2.2951,
0.0495

 51.0509, 36.5861,
20.4317


 2.4557, 0.7711,
0.0000

 69.0765, 51.4741,
31.1209

 0.8730, 0.0000,
0.0000

 90.9125, 69.9357,
45.0083

 0.0000, 0.0000,
0.0000

 116.9243, 92.3552,
62.5122

 147.4772,

119.1170, 84.0514

182.9366,
150.6056, 110.0443

■ 16.1829, 9.5192,
3.3673

■ 16.1829, 9.5192,
3.3673

■ 15.4758, 8.4959,
1.9271

■ 17.2376, 11.0541,
5.4906

■ 15.0717, 7.9168,
1.0860

■ 18.6761, 13.1536,
8.3670

■ 14.9149, 7.6872,
0.7749

■ 20.5307, 15.8659,
12.0583

■ 22.8301, 19.2338,
16.6199

■ 25.6006, 23.2960,
22.1022

■ 28.8663, 28.0884,
28.5518

■ 32.6497, 33.6444,
36.0122

■ 36.9720, 39.9951,
44.5242

■ 41.8530, 47.1703,
54.1265

Harmonies

Analogous

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



17.5751, 9.5192, 10.2613



16.1829, 9.5192, 3.3673



12.8038, 9.5192, 1.0220

Triad

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



16.1829, 9.5192, 3.3673



4.3733, 9.5192, 3.4530



9.0840, 9.5192, 44.0107

Complementary

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



16.1829, 9.5192, 3.3673



20.2214, 28.8713, 37.7686

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.



6.1090, 9.5192, 37.7088



16.1829, 9.5192, 3.3673



3.8518, 9.5192, 10.4689

Square

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



16.1829, 9.5192, 3.3673



6.0608, 9.5192, 1.0443



4.3956, 9.5192, 23.4374



12.8831, 9.5192, 37.4638

Rectangle

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



16.1829, 9.5192, 3.3673



10.2275, 9.5192, 0.5582



4.3956, 9.5192, 23.4374



7.9623, 9.5192, 43.2947

Sweetspot

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



16.1831, 9.5198, 3.3674



47.3915, 43.6348, 41.9335



21.8470, 11.7388, 35.2965



10.3273, 9.3357, 8.7922



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.



16.1831, 9.5198, 3.3674



27.5536, 14.6455, 2.3759



19.8759, 16.9638, 4.4181



7.0783, 7.0878, 7.3988



11.7520, 6.0569, 0.6189



0.2483, 0.1278, 0.0201

Inverse Universe

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



16.1831, 9.5198, 3.3674



27.5536, 14.6455, 2.3759



12.4275, 13.0025, 36.0369



7.0783, 7.0878, 7.3988



11.7520, 6.0569, 0.6189



0.2483, 0.1278, 0.0201

Previews

White Background



This preview shows how the XYZ color 16.1829, 9.5192, 3.3673 looks on a white background.

Color Contrast Check

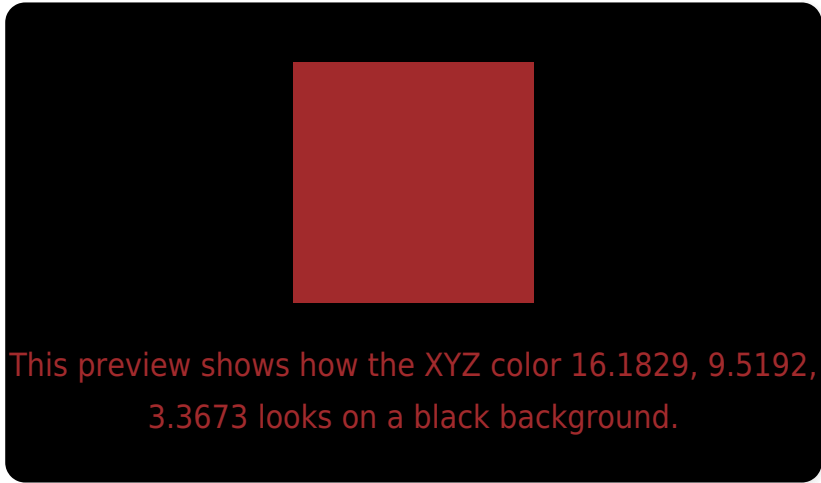
Large Text (above 18pt) WCAG AA ✓ Pass

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

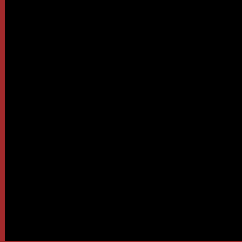
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1829, 9.5192, 3.3673

Background



This preview shows how black text looks on a background with the XYZ color 16.1829, 9.5192, 3.3673.

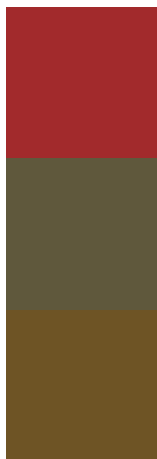


This preview shows how white text looks on a background with the XYZ color 16.1829, 9.5192,

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

16.1829, 9.5192, 3.3673

Protanopia

9.0246, 9.7386, 5.6791

Deuteranopia

9.9347, 9.7892, 3.1162



Tritanopia

16.1829, 9.5192, 3.3673

Trichromacy



Original Color

16.1829, 9.5192, 3.3673

Protanomaly

10.5268, 8.6948, 4.6135

Deuteranomaly

11.5644, 9.0766, 3.1499

Tritanomaly

16.1829, 9.5192, 3.3673

Monochromacy



Original Color

16.1829, 9.5192, 3.3673

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

9.1803, 7.4252, 6.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1829, 9.5192, 3.3673 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(162, 42, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 42, 44) }
```

Border

The CSS property to change the border of an element to XYZ 16.1829, 9.5192, 3.3673 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, 44) }
```


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

```
.border{ border-color:rgb(162, 42, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 42, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 42, 44);  
box-shadow:4px 4px 4px 4px rgb(162, 42,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1829, 9.5192, 3.3673 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, 44) }
```

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

```
.background{ background-color: rgb(162, 42,  
44) }
```

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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