

Converting Colors

XYZ(16.2165, 9.5191, 2.3952)

Have a look what the booklet for
XYZ(16.2165, 9.5191, 2.3952)
contains.

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Color

**XYZ(16.1717, 9.4822,
2.4167)**

Conversions

Conversions Part 1

Format	Color
Hex	A32921
RGB	163, 41, 33
RGB Percent	64%, 16%, 13%
CMY	0.3608, 0.8392, 0.8706
CMYK	0.00, 0.75, 0.80, 0.36
HSL	4°, 66%, 38%
HSV	4°, 80%, 64%
XYZ	16.1717, 9.4822, 2.4167
YIQ	76.5660, 75.2800, 23.3760

Conversions

Conversions Part 2

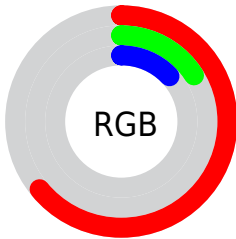
Format	Color
R_{YB}	163, 42, 33
Decimal	10692897
CIE _{Lab}	36.90, 49.06, 34.99
CIE _{LCh}	37, 60.261, 35.501
Yxy	9.4822, 0.5761, 0.3378
Android (android.graphics.Color)	4288882977 (0xFFA32921)
YUV	76.5660, -21.4780, 75.8026
Hunter-Lab	30.7932, 39.8550, 16.9020

Details

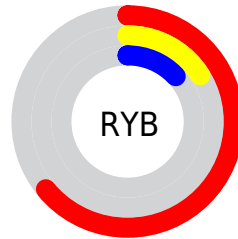
The XYZ color **16.1717, 9.4822, 2.4167** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **18.9578, 26.4072, 38.7480**, and the grayscale version is **7.0030, 7.3677, 8.0234**.

A 20% lighter version of the original color is **36.2985, 24.7631, 10.0743**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.5661, 8.5522, 1.3484**, and if you desaturate by 10%, it is **17.0939, 10.8687, 4.1360**.

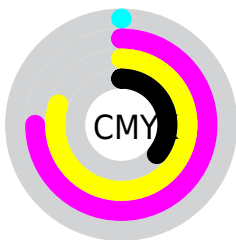
Distribution



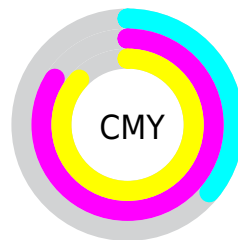
- Red (64%)
- Green (16%)
- Blue (13%)



- Red (64%)
- Yellow (16%)
- Blue (13%)



- Cyan (0%)
- Magenta (75%)
- Yellow (80%)
- Black (36%)




- Cyan (36%)
- Magenta (84%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1717, 9.4822, 2.4167 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 16.1717, 9.4822, 2.4167 by changing the saturation by 10% instead.


 16.1717, 9.4822,
2.4167


 16.1717, 9.4822,
2.4167


223.6033,
186.9354, 128.5444


 9.7374, 5.0570,
0.7955


 36.4511, 24.8169,
10.1516

 5.2861, 2.2808,
0.0000

 51.0268, 36.4952,
17.1120

 2.4526, 0.7635,
0.0000

 69.0470, 51.3600,
26.6925

 0.8714, 0.0000,
0.0000

 90.8771, 69.7958,
39.3115


 0.0000, 0.0000,
0.0000

 116.8825, 92.1868,
55.3877


 147.4284,


118.9174, 75.3396


 182.8802,
150.3722, 99.5856


 16.1717, 9.4822,
2.4167


 16.1717, 9.4822,
2.4167


 15.5661, 8.5522,
1.3484


 17.0939, 10.8687,
4.1360


 15.2194, 8.0135,
0.7561

 18.3674, 12.7583,
6.5872

 15.2131, 8.0045,
0.7432

 20.0231, 15.1937,
9.8400

 22.0885, 18.2126,
13.9560

 24.5882, 21.8493,
18.9905

■ 27.5452, 26.1355,
24.9945

■ 30.9808, 31.1008,
32.0150

■ 34.9147, 36.7729,
40.0960

■ 39.3659, 43.1779,
49.2790

Harmonies

Analogous

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



18.1611, 9.4822, 8.4842



16.1717, 9.4822, 2.4167



12.3125, 9.4822, 0.6138

Triad

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



16.1717, 9.4822, 2.4167



3.9484, 9.4822, 3.9508



9.7151, 9.4822, 47.0318

Complementary

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



16.1717, 9.4822, 2.4167



18.9578, 26.4072, 38.7480

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.



6.3622, 9.4822, 42.3893



16.1717, 9.4822, 2.4167



3.6067, 9.4822, 12.4134

Square

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



16.1717, 9.4822, 2.4167



5.4670, 9.4822, 1.0187



4.3569, 9.4822, 27.3530



13.8319, 9.4822, 37.5551

Rectangle

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



16.1717, 9.4822, 2.4167



9.5848, 9.4822, 0.2475



4.3569, 9.4822, 27.3530



8.4636, 9.4822, 47.1176

Sweetspot

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



16.1719, 9.4828, 2.4168



46.7432, 43.0581, 39.4982



21.6912, 11.2914, 32.7109



10.1025, 9.0967, 8.0683



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.



16.1719, 9.4828, 2.4168



27.3648, 14.4994, 1.5995



20.3794, 17.8978, 3.8193



7.1072, 7.1528, 7.3861



11.8360, 6.2460, 0.5818



0.2586, 0.1510, 0.0155

Inverse Universe

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



18.9578, 26.4072, 38.7480



32.3994, 45.6983, 69.1691



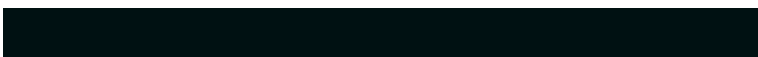
11.0220, 10.5356, 36.1027



7.2386, 7.9362, 9.0534



13.9978, 19.7751, 30.0090



0.3046, 0.4364, 0.6340

Previews

White Background



This preview shows how the XYZ color 16.1717, 9.4822, 2.4167 looks on a white background.

Color Contrast Check

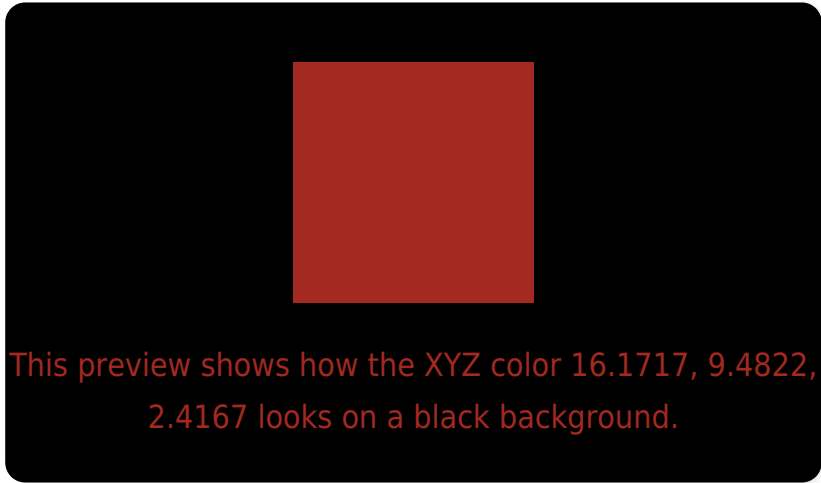
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1717, 9.4822, 2.4167

Background



This preview shows how black text looks on a background with the XYZ color 16.1717, 9.4822, 2.4167.



This preview shows how white text looks on a background with the XYZ color 16.1717, 9.4822,

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

16.1717, 9.4822, 2.4167

Protanopia

8.9126, 9.7181, 3.9908

Deuteranopia

9.8707, 9.7781, 2.1262



Tritanopia

16.2633, 9.4642, 3.0674

Trichromacy



Original Color

16.1717, 9.4822, 2.4167

Protanomaly

10.5386, 8.7315, 3.2277

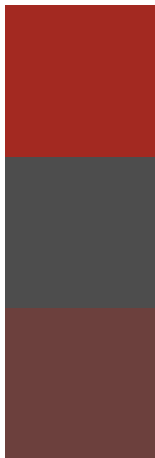
Deuteranomaly

11.4595, 8.9547, 2.1017

Tritanomaly

16.2129, 9.4441, 2.8021

Monochromacy



Original Color

16.1717, 9.4822, 2.4167

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.8600, 7.1919, 5.3361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1717, 9.4822, 2.4167 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(163, 41, 33)` looks like.

```
.text, #text, p{  
    color:rgb(163, 41, 33)  
}
```

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(163, 41, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 41, 33) }
```

Border

The CSS property to change the border of an element to XYZ 16.1717, 9.4822, 2.4167 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(163, 41, 33) }
```


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

```
.border{ border-color:rgb(163, 41, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 41, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 41, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 41, 33);  
box-shadow:4px 4px 4px 4px rgb(163, 41,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1717, 9.4822, 2.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 41, 33) }
```

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

```
.background{ background-color: rgb(163, 41,  
33) }
```

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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